



**LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING**

**(AUTONOMOUS)**

**Accredited by NAAC & NBA (CSE, IT, ECE, EEE & ME)**

**Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada**

**L.B.Reddy Nagar, Mylavaram-521230, Krishna Dist, Andhra Pradesh, India**

**Department of Civil Engineering**

**Report of ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP) on**

**“ANALYSIS AND MODELLING OF PANDEMIC SCENARIOS  
USING EMPIRICAL AND GIS TECHNIQUES”**

**Event:** Online Faculty Development Program (FDP)

**Date/Duration:** 18<sup>th</sup> to 20<sup>th</sup> May-2020 at 11:00am (three days)

**Resource person:** Dr.K.Brahmananada Chari, GIS Expert, Scientist, GIS Labs, Hyderabad.

**Name of the co-ordinator:** M. Manoj Kumar, Assistant Professor.

**Target Audience:** Faculty members and Research scholars.

**Total no. of Participants:** 230

**Platform:** Microsoft Teams.

**Objective of the event:** The webinar is a real take on the present covid-19 situation, analysis and decision- making using statistics, web tools and geographic information systems.

**Outcome of the event:**

This webinar series would enable participants to understand COVID-19 pandemic and its dynamics.

The series would make the participants familiar with the various tools available to analyse to make informed decisions in similar pandemic like situations.


**Report:**

The FDP is planned for three days. On Day-1, Understanding a Pandemic, COVID-19 Scenario, Data sources, Data collection, and Analytical tools used for analyzing the data are discussed. On Day-2, Dynamics of COVID-19 pandemic, empirical methods and Designing an empirical model for COVID-19 situation and certain Predication analysis for COVID-19 situation are discussed. On Day-3, Spatio-temporal analysis of COVID-19 using GIS, GPS based tools for monitoring pandemics and GIS based decision making to control the pandemic are addressed. The role of GIS for monitoring and modelling the pandemic scenarios is elaborated with suitable examples and illustrations.

**Feedback / Suggestions:**


1. Conduct more number of FDPs on similar advanced advance topic in the stream.
2. Conduct the programs in the live session.

# Photographs:



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**ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP)**  
ON  
**ANALYSIS AND MODELLING OF PANDEMIC SCENARIOS**  
USING EMPIRICAL AND GIS TECHNIQUES  
18<sup>th</sup> to 20<sup>th</sup> May-2020 at 11:00am



**Resource Person**  
**Dr. K. Brahmananda Chari**, Scientist, GIS Labs , Hyderabad

- Completed his PhD and Masters in GIS from Pondicherry University
- Presently working as a Scientist in GIS Labs, Hyderabad
- Handled many projects related to Central and State Government
- Authored four books related to GIS and published several papers in National & International Journals
- More than 20 years of experience in GIS related activities

**Objective:**

- The webinar is a real take on the present covid-19 situation, analysis and decision-making using statistics, web tools and geographic information systems.

**Contents:**

<b>WEBINAR 1</b>	<ul style="list-style-type: none"> <li>Understanding a Pandemic, COVID-19 Scenario</li> <li>Data sources, Data collection, and Analytical tools</li> <li>Basic Statistical analysis of pandemic</li> </ul>
<b>WEBINAR 2</b>	<ul style="list-style-type: none"> <li>Dynamics of COVID-19 pandemic</li> <li>Empirical methods, Designing an empirical model for COVID-19</li> <li>Prediction analysis</li> </ul>
<b>WEBINAR 3</b>	<ul style="list-style-type: none"> <li>Spatio-temporal analysis of COVID-19 using GIS</li> <li>GPS based tools for monitoring pandemics</li> <li>GIS based decision making to control the pandemic</li> </ul>

**Outcome:**

- This webinar series would enable participants to understand COVID-19 pandemic and its dynamics.
- The series would make the participants familiar with the various tools available to analyse to make informed decisions in similar pandemic like situations.

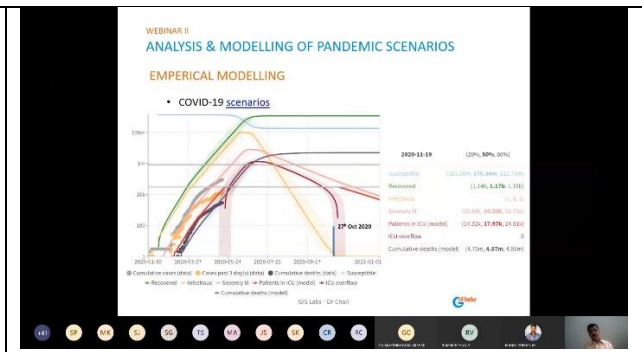
To register click on the link: <https://forms.gle/eaK7ncmbn7qkEDCS>

Registration accepted up to 17<sup>th</sup> May 2020 till 11:00 am

E-Certificate will be provided to the participants

<p><b>Coordinator</b> M. Manoj Kumar, Asst Professor Ph: 8143695889</p>	<p><b>Convener</b> Dr V. Ramakrishna, HOD &amp; Professor Ph: 9542184356</p>
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**Organized by: DEPARTMENT OF CIVIL ENGINEERING**



## Presentation of Resource Person



## FDP Brochure

## Valedictory Session: Address by Principal Dr K. Apparao, Resource Person Dr Chari and HOD Dr V. Ramakrishna



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LB.REDDY NAGAR, MYLAVARAM, ANDHRA PRADESH-521230  
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**Certificate of Participation**

This is to certify that

**PERUMALLA HARSHA VARDHAN**  
Assistant Professor, Chalapathi Institute of Engineering and Technology

has participated in " FACULTY DEVELOPMENT PROGRAMME on **ANALYSIS AND MODELLING OF PANDEMIC SCENARIOS USING EMPIRICAL AND GIS TECHNIQUES**", organized by Department of Civil Engineering, Lakireddy Balireddy College of Engineering(A) through online mode from 18/05/2020 to 20/05/2020.

  
M.Manoj Kumar  
(coordinator)

  
Dr.V.Rama Krishna  
(Convener & HOD-CIVIL)

  
Dr.K.Appa Rao  
(Principal)

## Certificate to Participants