



**NDRF**



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UNIVERSITY**

*Private University established in Karnataka State by Act No.34 of year 2010  
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**Alliance College of Engineering and Design**

## **National Design and Research Forum (NDRF)**

The Institution of Engineers (India), Bengaluru

In Association With

### **Alliance College of Engineering & Design**

Alliance University, Bengaluru

Presents

### **Webinar On:**

# **Remote Sensing Satellites and Applications: An Introduction to Societal Technologies**

**February 27, 2021 | 10:00 AM - 12:30 PM**

### **Speaker:**

The research areas embraced by Dr. C. J. Jagadeesha are in the field of satellite remote sensing, digital image processing, GPS, Gagan, GNSS (IRNSS-Navik) surveys; their applications to assess / estimate natural resources (like water, vegetation, minerals) occurrence, distribution, monitoring and management. He has guided around thirty research students at Indian Space Research Organization and IEI. He has organized number of technical meets /workshops /symposia and field campaigns in the field of remote sensing / photogrammetry for integrated water resources management and environment. He is the recipient of IEI Design Award and has published 55 papers and two books.



**Dr. C. J. JAGADEESHA**

Former Scientist, ISRO &  
Technical Advisor, NDRF

Water, air and soil resources need to be looked at holistically from food, energy and ecological security point of view of the present as well as future generations, through the lens of space inputs from satellites, drones, helicopters, balloons which leads to big geo data analytics. The industry, academia and need based consumers are to be prepared for propelling innovations for a harmonious society.

### **Key Takeaways:**

- Understanding remote sensing and GIS civil applications from a holistic perspective
- Differentiating Multi-spectral, Hyper spectral, Microwave and LIDAR sensing of natural resources and ISRO Websites
- Brief of RS and GIS applications with an international perspective (India and USA)
- Discussion on key concepts such as DIP, GPS-IRNSS, GIS, Parallax, and Digital Photogrammetry / Radar Photogrammetry

### **Registrations:**

- Register by visiting [www.ndrf.res.in](http://www.ndrf.res.in)
- Fee: Rs. 150 (Inclusive of GST)
- Webinar link will be shared with registered participants
- E-certificates will be issued to attendees on request

Contact Person: **Mr. Sankar Reddy** - Manager, NDRF | Mob.:+91 99019 03336  
**Mr. Mukund Kumar** - Assistant Manager (Technical), NDRF | Mob.: +91 74068 26273