

# **K.L. DEEMED TO BE UNIVERSITY**

## **DEPARTMENT OF CIVIL ENGINEERING**

### **One Week Online FDP**

### **REMOTE SENSING AND GIS APPLICATIONS IN CIVIL ENGINEERING**

**(RS & GIS ACE - 2020)**

**Attended by**

**Civil Engineering Faculty**

**Dated:** 8th to 13<sup>th</sup> June, 2020, **Time:** 09:30 to 4:30 PM, **Venue:** Online

We are happy to inform you that the Department of Civil Engineering, successfully organized an online Faculty Development Programme.

The Welcome note was presented by Dr. Hamim Syed, Assistant Professor, Civil Engineering Department then after our respected HoD Dr. Ch. Hanumantha Rao has given a brief note about our department and this FDP on “REMOTE SENSING AND GIS APPLICATIONS IN CIVIL ENGINEERING” to all participants.

#### **About the Faculty Development Programme :**

The FDP has different application of RS and GIS in field of civil engineering from geology to structure. The programme has hand on different applications during the different sessions. The course content of the workshop was delivered from a pool of resource persons on the subject from leading industries, prestigious academic and research institutions.

## **Speakers:**

- Dr. M. A. Mohammed Aslam, Prof & Dean Dept. of Geology, School of Earth Sciences, Central University of Karnataka, Karnataka.
- Dr. Rajib Kumar Bhattacharjya, Professor, Dept. of Civil Engineering, IIT Guwahati.
- Dr. K. B. V. N. Phanindra, Assistant Professor, Dept. of Civil Engg. IIT Hyderabad.
- Dr. Mukesh Kumar Tiwari, Asso. Prof & HOD Department of Irrigation and Drainage Engg. Anand Agriculture University, Anand, Gujarat.
- Dr. Aaron Aboshio, Senior Lecturer Materials and Structural Engineering, Bayero University, Kano-Nigeria.
- Dr. Sanjay Sharma, Scientist D, National Institute of Hydrology, Central for Flood Management Studies Guwahati, Assam.
- Dr. D. Satish Chandra, Asso. Professor, Dept. of Civil Engg. K.L.E.F, Andhra Pradesh.

## **Topics covered :**

Remote Sensing and GIS Basics, Applications in transportation network analysis, Flood inundation mapping, Hydrological modeling, Health monitoring of structure, geology mapping and geotechnical engineering.

## Schedule of the Program :

| S. No | Name of the Topic  | Resource Person  | Date       | Time          |
|-------|--|--|------------|---------------|
| 1     | Basics of Remote Sensing and GIS.  | <b>Dr. D. Satish Chandra</b> , Asso. Prof. Depart of Civil Engg. K.L.E.F, Andhra Pradesh, India  | 08.06.2020 | 10 AM – 12 PM |
| 2     | Advances in Structural Health Monitoring.  | <b>Dr. Aaron Aboshio</b> , Senior Lecturer, Materials and Structural Engineering, Bayero University, Kano-Nigeria                                  | 09.06.2020 | 12 PM – 2 PM  |
| 3     | Basics of Remote Sensing and GIS. Application of Remote Sensing and GIS on flood inundation mapping. | <b>Dr. Sanjay Sharma</b> , Scientist D National Institute of Hydrology, Central for Flood Management Studies Guwahati, Assam, India.               | 10.06.2020 | 10 AM – 12 PM |
| 4     | Basic Concepts of Geo-Spatial Analysis   | <b>Dr. Mukesh Kumar Tiwari</b> , Asso. Prof & HOD. Department of Irrigation and Drainage Engg. Anand Agriculture University, Anand, Gujarat, India | 11.06.2020 | 10 AM – 12 PM |
| 5     | Remote Sensing and GIS applications in Water Resources and Agriculture.                              | <b>Dr. K. B. V. N. Phanindra</b> , Assist. Prof. Depart. of Civil Engg. IIT Hyderabad.   | 12.06.2020 | 10 AM – 12 PM |
| 6     | Application of Remote Sensing and GIS based techniques in Hydrological Modeling                      | <b>Dr. Mukesh Kumar Tiwari</b> , Asso. Prof & HOD. Department of Irrigation and Drainage Engg. Anand Agriculture University, Anand, Gujarat, India | 12.06.2020 | 2 PM – 4 PM   |
| 7     | Application of Remote Sensing and GIS in the field of Geology  | <b>Dr. M. A. Mohammed Aslam</b> , Prof and Dean Dept. of Geology, School of Earth Sciences, Central University of Karnataka, Karnataka, India      | 13.06.2020 | 10 M – 12 PM  |
| 8     | Metaheuristic optimization methods and their applications in Civil Engineering                       | <b>Dr. Rajib Kumar Bhattacharjya</b> , Professor, Dept. of Civil Engineering. IIT Guwahati   | 13.06.2020 | 2 PM– 4 PM    |

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**8<sup>th</sup> to 13<sup>th</sup> June, 2020**



**Session - 1**

**08.06.2020, 10 AM**

**Basics of Remote Sensing and GIS**

**By**

**Dr. Satish Chandra**

**Associate Professor**

**Civil Engg Department, K L University**

**Webinar ID: 22062389**

**LIVE**

 **GoToMeeting**



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On

## REMOTE SENSING AND GIS APPLICATIONS IN CIVIL ENGINEERING

### (RS&GISACE-2020)

8<sup>th</sup> to 13<sup>th</sup> June, 2020

### Session - 2

09.06.2020, 12 PM (IST)

## Advances in Structural Health Monitoring.



By

Dr. Aaron Aboshio,

Senior Lecturer,

Materials and Structural Engineering,  
Bayero University, Kano-Nigeria

Webinar ID: 463-672-069

**LIVE**

 GoToMeeting



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## REMOTE SENSING AND GIS APPLICATIONS IN CIVIL ENGINEERING

### (RS&GISACE-2020)

8<sup>th</sup> to 13<sup>th</sup> June, 2020

### Session - 3

010.06.2020, 10 AM (IST)

## Application of Remote Sensing and GIS on flood inundation mapping.



By

### Dr. Sanjay Sharma,

Scientist D, National Institute of Hydrology,  
Central for Flood Management Studies  
Guwahati, Assam, India.

**LIVE**

 GoToMeeting

Webinar ID: 614-065-357



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## REMOTE SENSING AND GIS APPLICATIONS IN CIVIL ENGINEERING

### (RS&GISACE-2020)

8<sup>th</sup> to 13<sup>th</sup> June, 2020

### Session - 4

11.06.2020, 10 AM (IST)



## Basic Concepts of Geo-Spatial Analysis

By

**Dr. Mukesh Kumar Tiwari**

Asso. Prof & HOD.

Department of Irrigation and Drainage Engg.  
Anand Agriculture University, Anand, Gujarat, India

**LIVE**

 **GoToMeeting**

Webinar ID: 830-126-717



**ONE WEEK ONLINE  
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**8<sup>th</sup> to 13<sup>th</sup> June, 2020**

**Session - 5**

**12.06.2020, 10 AM (IST)**



**Remote Sensing and GIS applications in  
Water Resources and Agriculture.**

**By**

**Dr. K. B. V. N. Phanindra,  
Assist. Prof. Depart. of Civil Engg.  
IIT Hyderabad.**

**LIVE**

 **GoToMeeting**

**Webinar ID: 307-888-485**





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On

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### (RS&GISACE-2020)

8<sup>th</sup> to 13<sup>th</sup> June, 2020

### Session - 6

12.06.2020, 2 PM (IST)



Application of Remote Sensing and GIS based techniques in  
Hydrological Modeling

By

**Dr. Mukesh Kumar Tiwari**

Asso. Prof & HOD.

Department of Irrigation and Drainage Engg.  
Anand Agriculture University, Anand, Gujarat, India

**LIVE**

 GoToMeeting

Webinar ID: 789-801-853



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## REMOTE SENSING AND GIS APPLICATIONS IN CIVIL ENGINEERING

### (RS&GISACE-2020)

8<sup>th</sup> to 13<sup>th</sup> June, 2020

### Session - 7

13.06.2020, 10 AM (IST)



**Application of Remote Sensing and GIS in the  
field of Geology**

By

**Dr. M. A. Mohammed Aslam,**

Prof and Dean

Dept. of Geology, School of Earth Sciences,  
Central University of Karnataka, Karnataka, India

**LIVE**

 **GoToMeeting**

**Webinar ID: 664-497-453**



# ONE WEEK ONLINE Faculty Development Program (FDP)



## On REMOTE SENSING AND GIS APPLICATIONS IN CIVIL ENGINEERING

### (RS&GISACE-2020)

8<sup>th</sup> to 13<sup>th</sup> June, 2020

### Session - 8

13.06.2020, 2 PM (IST)



**Metaheuristic optimization methods and their applications  
in Civil Engineering**

By

**Dr. Rajib Kumar Bhattacharjya,**

Professor, Dept. of Civil Engineering.

IIT Guwahati

**LIVE**

 **GoToMeeting**

**Webinar ID: 894-939-517**