

# REGISTRATION FORM

National Level Workshop on

## CIVIL ENGINEERING APPLICATIONS USING REMOTE SENSING & GIS TECHNIQUES

5<sup>th</sup> and 6<sup>th</sup> October 2017

1. Name:
  2. Qualification
  3. Designation:
  4. Organization:
  5. Address for Communication:
- 
6. Email:
  7. Mobile No:
  8. Registration Category  
(Industry/Academic/Research Scholar/  
Student):

The information furnished above is true to the  
best of my knowledge and belief.

Signature of the participant

Signature of the  
Head of the Institution with seal

### ORGANIZING COMMITTEE

#### Convener

Dr.R.Kumutha  
Dean & HOD/Civil Engineering

### ORGANIZING SECRETARY

Dr.K.Vijai  
PG Program Head/Civil Engineering

### CO-ORDINATORS

Mr. M. Vignesh  
Ms. S.R.Thiruchelva

### RESOURCE PERSON

**Mr.K.Chandramohan**, M.Sc., (Ph.D)  
Researcher, School of Geography,  
Madurai Kamaraj University.

### IMPORTANT DATE

Last date for registration : **03.10.2017**

### REGISTRATION FEES

Industrial Delegates : **Rs.600**  
Academics : **Rs.500**  
UG/PG Students : **Rs.400**

### HOW TO APPLY

Registration can be made by sending Duly  
filled in registration form directly to the  
Organizing Secretary. The scanned copy of  
the registration form may also be sent by  
email to ceasitcivil@gmail.com

### ADDRESS FOR COMMUNICATION

Mr.M.Vignesh  
Assistant Professor (Sr.Grade)  
Department of Civil Engineering  
Sethu Institute of Technology  
Pulloor – 626 115

Virudhunagar District  
Contact No: 99445 26183, 87546 48107  
Email: ceasitcivil@gmail.com

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Organized by

### DEPARTMENT OF CIVIL ENGG.

(Approved Research Centre by Anna University Chennai)

### SETHU INSTITUTE OF TECHNOLOGY

AN AUTONOMOUS INSTITUTION | ACCREDITED WITH 'A' GRADE BY NAAC

Approved by AICTE, New Delhi & Permanently Affiliated to Anna University, Chennai

Recognized by UGC under Section 2(f) & 12(B) of UGC Act, 1956

Approved Research Centre for Mech., CSE, ECE, EEE, Civil, Physics & Chemistry by Anna University, Chennai  
Mech., CSE, ECE Accredited by NBA, New Delhi, under Washington Accord (Tier-1) & EEE and IT Re-accredited by NBA, New Delhi

PULLOOR - 626 115, KARIAPATTI TALUK, VIRUDHUNAGAR DISTRICT.



in association with

**Indian Concrete Institute**  
Madurai Centre

## **ABOUT THE COLLEGE**

Sethu Institute of Technology was established in the year 1995 at Kariapatti, Virudhunagar Dist, with the motto of "Knowledge, Service and Progress". The Founder and Chairman, Mr.S.Mohamed Jaleel, renders his noble service since 1995 to the sustained growth of the educationally, industrially, economically backward rural area. The college has grown into a multidisciplinary institution offering 11 UG and 5 PG courses. Our college is an Autonomous Institution and accredited by National Board of Accreditation for 5 UG programmes. Affiliated to Anna University and approved by AICTE, the college offers quality education and technical competencies on the strong foundation of values, ideals and rich culture to the students across the country. The college is equipped with world class infrastructure and highly qualified and experienced faculty members.

## **ABOUT THE DEPARTMENT**

The Civil Engineering Department was established in the year 2007 offering B.E. Civil Engineering and M.E. Structural Engineering Program. The vision of the Department is to become a school of excellence in Civil Engineering education with an emphasis on research for the benefit of the industry and society. The Department of Civil Engineering has well equipped laboratories for Academic, Consultancy

and R & D activities. From the inception of the Department students have secured 20 University ranks. The Department is approved as a research centre by Anna University, Chennai. The Department has well qualified faculty with varied experience in areas of structural Engineering, Environmental Engineering, Irrigation Water Management, Soil Mechanics, Geoinformatics etc.

## **ABOUT THE WORKSHOP**

ArcGIS is a geographic information system (GIS) for working with maps and geographic information. Site investigations in general require topographic and geologic considerations. Remote sensing data permits such an assessment. For sustainable development of urban agglomeration, optimal urban land use plans and resources development models need to be generated by integrating the information on natural resources, demographic and socio – economic data in a GIS domain with the currently available satellite data. By analyzing multi-date RS data, it would be possible to monitor the effects of dam construction. Remotely sensed data of pre and post dam construction can reveal the forest and other land at different water levels. This would also help in preliminary investigation of impact assessment of dams and rehabilitation. To study the feasibility of inter basin transfer of surplus flood flows, RS data can be cost effective. Remotely

sensed data can be used to monitor the water bodies over time and assess the silting condition. In case of floods, Using multi-data pre flood and post flood images damage due to flood can be successfully assessed. This will help in mitigation and relief distribution. Hence it is proposed to organize a workshop so as to give awareness to academicians and students on remote sensing and GIS techniques and also to give hands on training on GIS software.

## **TOPICS COVERED**

- Basics of Remote Sensing & GIS
- Applications of Remote Sensing & GIS related to Civil Engineering
- Image processing
- Image Interpretation
- Feature Creation using ARC GIS
- Hands on training using ARC GIS & ERDAS softwares.

## **ADVISORY COMMITTEE**

**Mr.S.Mohamed Jaleel**  
Founder & Chairman, SIT

**Mr.S.M.Seeni Mohaideen**  
Chief Executive Officer, SIT

**Mr.S.M.Seeni Mohamed Aliar Maraikkayar**  
Joint Chief Executive Officer, SIT

**Dr.A.Senthil Kumar**  
Principal

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