

Five day Online Short-Term Course on

REMOTE - SENSING APPLICATIONS IN GROUNDWATER EXTRACTION MEASUREMENTS (RSAGEM-2021)

(Sponsored by TEQIP-3)

11-15, January- 2021

(10:30am – 12:00pm)

Organized by



Department of Civil Engineering
National Institute of Technology
Srinagar J&K-190006, and
TEQIP-3

ELIGIBILITY

This program is open to faculty members, research scholars, PG & UG Students, and industrial personnel.

REGISTRATION:

Registration fees = Rs.110

Mode of Payment: Online

Account Name: TEQIP-III

Account No: 0391040100011025

Bank: J& K Bank

Branch: REC Srinagar

IFS Code: JAKA0RECSGR

ONLINE REGISTRATION LINK

<https://forms.gle/dyKenTAAXwYVHuwf6>

Last date for Online Registration:

08-01- 2021: 05.00PM

CERTIFICATION

E-Certificate will be provided to all the participants who will attend the STC on all days.

CONTACT DETAILS

Prof. A.Q.Dar

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ABOUT THE INSTITUTE

National Institute of Technology, Srinagar was established in 1960 as the Regional Engineering College, Srinagar. The Institute acquired the status of NIT in August, 2003 and attained full autonomy in its Academics. In 2007, it became an Institute of National Importance. It is one of the 31 NITs and it is directly under the control of the MHRD now Ministry of Education. The Institute is situated at the banks of world-famous Dal Lake. Besides running various undergraduate, post graduate and doctoral programmes, Institute has also established an Innovation Incubation and Entrepreneurship Development (IIED) centre.

ABOUT THE DEPARTMENT

The Department of Civil Engineering was established in the year 1960 and is among the oldest departments in the institute. The department runs one undergraduate programme leading to a bachelor's of technology (B. Tech) degree in Civil Engineering, Four postgraduate programmes leading to a Master's of Technology (M. Tech) degree in Water Resources Engineering, Structural Engineering, Geotechnical Engineering and Transportation Engineering & Planning. The department also runs a PhD programme. The department has experienced and distinguished faculty with all of them having Ph.D. from renowned institutes from India and Abroad. There are well equipped fifteen laboratories in the department catering to the needs of the students. A number of students are recruited by various organizations including public sector undertakings such as Power Grid Corporation of India, L&T India, Simplex Infrastructures Ltd, Indian Oil, Bharat Petroleum, Bharat Heavy Electricals Limited to mention a few.

ORGANIZING COMMITTEE

PATRON

Prof. (Dr.) Rakesh Sehgal
Director, NIT Srinagar

CO-PATRONS

Prof. M. F. Wani
Coordinator TEQIP-3, NIT Srinagar

CONVENER

Dr. M. A. Ahangar
Prof & Head
Department of Civil Engineering
N. I. T. Srinagar

COORDINATOR

Dr.A.Q.Dar, Professor
Department of Civil Engineering
N. I. T. Srinagar

ABOUT THE COURSE

The Department Civil Engineering, N.I.T Srinagar, J&K is organizing 5 day online Short-Term Course on Remote - Sensing Applications in Groundwater Extraction Measurements (RSAGEM-2020) and is inviting scholars, researchers, and engineers to register themselves and get benefitted from cutting-edge, exciting, and new breakthrough work in the areas of groundwater extraction - related subsidence. The Five-day online Short-Term Course will be held on 11-15, January-2020, at N.I.T Srinagar, J&K by Civil Engineering Department and supported by TEQIP-3.

Excess groundwater extraction in many regions over the world has resulted in significant land surface subsidence. Radar imagery of the ground surface makes it possible to estimate the land subsidence between any two time-instances. In recent years, the abundance of freely available satellite imagery has garnered renewed interest in measuring and monitoring of land surface subsidence. There are, however, many technical concepts that need to be well-understood for accurately utilizing the remotely sensed images to groundwater-related subsidence. In the short-term course, the most pertinent concepts related to land subsidence, groundwater extraction theory, and remote sensing of the ground surface shall be discussed. The vision of the course is to achieve a state-of-the-art understanding of groundwater extraction-related land surface subsidence and permanent losses of groundwater resources.

SPEAKER

Dr. Munir Ahmad Nayak
Assistant Professor,
Department of Civil Engineering,
Indian Institute of Technology, Indore,
Madhya Pradesh, India

TOPICS:

1. Fundamental Remote Sensing Concepts.
2. Groundwater Resources
3. Groundwater Extraction
4. Remote - Sensing Based Measurements of Groundwater Resource
5. Land subsidence and Permanent groundwater losses