

## About the Course

NESAC announces short course on the “**Remote Sensing and GIS-Technological Advances and Applications**” for the year 2019 in collaboration with IIRS. This course is designed to provide sufficient knowledge and advanced training in the field of Geospatial domain and Earth Observation applications.

## Course Registration

Course updates and other details will be available on URL - <http://www.iirs.gov.in/Edusat-News/>. All the participants has to register online through registration page available on above web page.

## Details of the course

**Title** : Webinar series on Remote Sensing & GIS  
**Technological Advances and Applications**

**Duration** : 2 weeks

**Period** : 29 April-10 May, 2019

## Curriculum

- ◆ Basics of Remote Sensing
- ◆ Basics of Digital Image Processing
- ◆ Geographic Information System
- ◆ Global Navigation Satellite System
- ◆ Web & Mobile GIS– Technology & Applications
- ◆ Geoweb services and governance applications
- ◆ Applications of UAV Remote sensing
- ◆ Remote sensing for agriculture and forestry applications
- ◆ Remote sensing applications in earth science and water resources
- ◆ Remote sensing of urban and societal applications.

## About NESAC

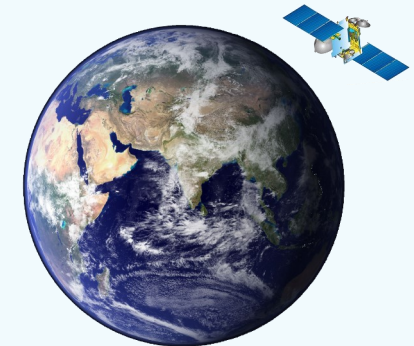
The North Eastern Space Applications Centre (NESAC), set up on 5th September, 2000, is a joint initiative of Dept. of Space (DOS) and North Eastern Council (NEC). The Centre helps in augmenting the developmental process in the region by providing the advanced space technology support.

NESAC is undertaking wide range of capacity building activities through multiple collaborations with IITs, NITs, Central and State Universities of the regions, R&D institutions and a large number of user departments.

## About IIRS

The Indian Institute of Remote Sensing (IIRS) is a constituent unit of Indian Space Research Organisation (ISRO), Department of Space, Govt. of India. Since its establishment in 1966, IIRS is a key player for training and capacity building in geospatial technology and its applications through training, education and research in Southeast Asia. The training, education and capacity building programmes of the Institute are designed to meet the requirements of Professionals at working levels, fresh graduates, researchers, academia, and decision makers. IIRS is also one of the most sought after Institute for conducting specially designed courses for the officers from Central and State Government Ministries and stakeholder departments for the effective utilization of Earth Observation (EO) data. To widen its outreach, IIRS has started live and interactive Distance Learning Programme (DLP) and e-learning courses for mass scale capacity building in the country..

Online course on  
**Remote Sensing & GIS**  
Technological Advances & Applications  
April 29-May10, 2019



Jointly Organised by



**North Eastern Space Applications Centre**  
Department of Space, Government of India  
Umiam, Meghalaya 793103

and



**Indian Institute of Remote Sensing**  
ISRO, Department of Space,  
Government of India, Dehradun

## Target Participants

The course is designed for Professionals, Students & Researchers engaged in Urban & Regional Planning, Geography, Environmental studies, Civil Engineering, Architecture, Agriculture, Horticulture, Hydrology, etc.

Users attending programme under CEC-UGC/CIET / other networks can also participate. Institutions on high speed National Knowledge Network (NKN) can also participate.

## Course Study Material

Course study materials like lecture slides, video recorded lectures, open source software & handouts of demonstrations, etc. will be made available through ftp link. Video lectures will also be uploaded on YouTube Channel (<http://www.youtube.com/user/edusat2019>).

## Award of Certificate

Based on 70% attendance and must secure minimum 40% marks in online examination.

## Course Fee

There is **no course** fee for attending this programme.

## Contact Details

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## Programme Reception

Programme can be received through Internet connectivity of 2 Mbps or better. Following hardware and software set-up is required at user end:

### Hardware Requirements:

#### Option 1:

- ◆ High-end Computer/Laptop with web browser;
- ◆ Good quality web camera;
- ◆ Headphone with Microphone;
- ◆ Speakers;
- ◆ Large Display Screen (Projector or TV) for classrooms.

#### Option 2:

- ◆ Smart Mobile phone with Internet connectivity and screen mirroring feature with Large display screen.

### Software and Internet Requirements:

- ◆ Online live access through <https://elearning.iirs.gov.in> with free registration.
- ◆ Live through YouTube Channel <https://www.youtube.com/user/edusat2004>

### Connectivity & Other Configurations:

- ◆ NKN or any other high speed internet facility (preferably without firewall, with minimum of 2 Mbps bandwidth)
- ◆ Network requirements: Port 80 and RTMP (port 1935) protocol should be unblocked from user's computer and Firewall.

