

## IIRS Outreach Programme

The IIRS outreach programme, which started in 2007 with 12 universities/ institutions has now grown substantially. Currently, 776 universities / institutions spread across India covering 29 States and 2 Union Territories are networked with IIRS. The beneficiaries of the programme may include:

- Urban Planning Bodies/ Agencies in India
- Civil Engineers
- Architects and other Planning Professionals
- Central/State/Private Universities & Academic Institutions
- Central & State Government Organisations / Departments
- Research Institutes
- Geospatial Industries
- NGOs

## Feedback Mechanism

IIRS has conducted workshops and sessions during IIRS User Interaction Meet to take feedback from participating institutions to improve the quality of future courses.



Participants of sixth outreach programme feedback session during IIRS User Interaction Meet (IUIIM)-2018

## Awards

IIRS has received national awards for excellence in training for outreach and e-learning programme during 1<sup>st</sup> National Symposium on Excellence in Training conducted during April 11-12, 2015 in New Delhi by Department of Personnel & Training (DoPT), Govt. of India in collaboration with United Nations Development Programme (UNDP).



## About IIRS

Indian Institute of Remote Sensing (IIRS) under Indian Space Research Organisation (ISRO), Department of Space, Govt. of India is a premier Training and Educational Institute set up for developing trained professionals in the field of Remote Sensing, Geoinformatics and GNSS Technology for Natural Resources, Environmental and Disaster Management. Formerly known as Indian Photo-interpretation Institute (IPI), founded in 1966, the Institute boasts to be the first of its kind in entire South-East Asia. While nurturing its primary endeavour to build capacity among the user community by training mid-career professionals, the Institute has enhanced its capability and evolved many training and education programmes that are tuned to meet the requirements of various target groups, ranging from fresh graduates to policy makers including academia.

IIRS also conducts e-learning programme on Remote Sensing and Geoinformation Science (<http://elearning.iirs.gov.in>). Over 4,500 participants have registered for the e-learning course.

## Contact Details

**Pramod Kumar**  
Course Director and Group Head, URSD  
Tel: 0135-2524186  
Email: [pramod@iirs.gov.in](mailto:pramod@iirs.gov.in)

**Dr. Harish Karnatak**  
Programme Coordinator  
IIRS Outreach Programme  
Tel: 0135-2524332  
Email: [harish@iirs.gov.in](mailto:harish@iirs.gov.in)

**Dr. Sandeep Maithani**  
Course Coordinator  
Tel: 0135-2524186  
Email: [pramod@iirs.gov.in](mailto:pramod@iirs.gov.in)

**IIRS DLP Team**  
**Janardan Vishwakarma**  
Sr. Technical Assistant  
Tel: 0135-2524130

**Ashok Ghildiyal**  
Sr. Technical Assistant  
Tel: 0135-2524130

**Indian Institute of Remote Sensing,**  
Indian Space Research Organisation  
Department of Space, Govt. of India,  
4-Kalidas Road, Dehradun  
Email: [dlp@iirs.gov.in](mailto:dlp@iirs.gov.in)

## Thirty-fourth IIRS Outreach Programme



**Geospatial Inputs for Enabling  
Master Plan Formulation under  
AMRUT Sub-scheme**  
July 23 - 27, 2018



Organised by

**Indian Institute of Remote Sensing**  
Indian Space Research Organisation  
Department of Space, Govt. of India  
Dehradun

[www.iirs.gov.in](http://www.iirs.gov.in)

# About the Course

The Indian cities are experiencing rapid growth with share of country's urban population increasing from 27% in 2001 to 32% in 2011. Majority of this growth has taken place in an unplanned and haphazard manner, the ill-effects of which are manifested in the form of poor quality of urban life. In order to ensure a planned development, the Govt. of India has launched the Atal Mission for Rejuvenation and Urban Transformation (AMRUT) Mission which has a sub-scheme on 'Formulation of GIS Based Master Plan for AMRUT cities'. IIRS along with Town and Country Planning Organisation (TCPO), Ministry of Housing and Urban Affairs (MoHUA), GoI has developed the contents of the course for capacity building of personnel involved in the sub-scheme.

We invite you to attend this training program on Geospatial modelling and applications for urban and regional areas. The course is scheduled from July 23-27, 2018. The course will contain five lectures (each of one and half hour duration).

IIRS has successfully conducted 33 such courses so far with 70,108 participants from 774 Institutions/ Universities (as of May 20, 2018) spread across India.

## Course Contents

### Atal Mission for Rejuvenation and Urban Transformation (AMRUT) scheme

- Programme overview, scope and coverage, deliverables
- Project execution and funding

### Overview of Geospatial Technology

- Familiarization with remote sensing data sets
- Identification and interpretation of urban features
- GIS based analysis and modeling
- Map Projections and Mobile Apps

### Survey Techniques and Navigation Systems

- Survey techniques
- Navigation systems

## Enabling GIS Based Master Plan

- Design & standards for formulation of GIS based Master Plan for AMRUT Cities
  - Maps creation based on AMRUT standards
- Overview of geospatial data collection, usage and data sharing policies in India

## Target Participants

The course is designed for Professionals engaged in Urban & Regional Planning, students & researchers of Urban & Regional Planning, Geography, Environmental studies, Civil Engineering, Architecture, etc.

The course participants have to be duly sponsored by their university/ institution and application should be forwarded through coordinators from respective Organisations/ Centres. Users attending programmes under CEC-UGC/ CIET/ other networks can also participate. Institutions on high speed National Knowledge Network (NKN) can also participate using A-VIEW software.

## Course Study Material

Course study materials like lecture slides, video recorded lectures, open source software & handouts of demonstrations, etc. will be made available through IIRS ftp link. Video lectures will also be uploaded on YouTube Channel (<http://www.youtube.com/user/edusat2004>).

## Course Fee

There is no course fee for attending this programme.

## 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.

# Course Funding & Technical Support

The programme is sponsored by National Natural Resources Management System, Indian Space Research Organisation, Department of Space, Government of India and is conducted with due technical support from Amrita Virtual Interactive E-learning World (A-VIEW).

## Programme Reception

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

Hardware Requirements :

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

Software and Internet Requirements

- Desktop based: A-VIEW software (free to download from [www.aview.in](http://www.aview.in) or IIRS ftp link: <ftp://ftp.iirs.gov.in>)
- Online live access through <http://elearning.iirs.gov.in> with free registration.

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.
- **Note:** Institutions/ Universities have to bear total expenses for establishment of the classroom facility.

## Award of Certificate

- **Working Professionals:** Based on 70% attendance and submission of assignments.
- **Students:** Based on 70% attendance and online examination.