

About the Course

The use of Remote Sensing (RS), Geographic Information System (GIS), Global Positioning System (GPS) and associated geo-spatial technologies is increasing rapidly, creating an urgent demand for trained manpower. IIRS utilizes the EDUSAT facility to strengthen institutions by sharing IIRS faculty expertise in running this program to train students at undergraduate / postgraduate level at institutions that have established similar facility. IIRS has successfully conducted 5 such courses till December 2010. The advanced course is the first of its kind course conducted by IIRS which will commence from Feb' 2011.

Partners & Universities

The program is sponsored by NNRMS and is conducted with due help from CEC-UGC, CIET-CEC, New Delhi and DECU/SAC Ahmedabad. The 5th Course was attended by 25 universities. The top participants from them can participate in this advanced course.

Ajmer U.; Allahabad U.; Amrita U.; Banasthali U.; BHU; BIT-M; GGU; Goa U.; Guwahati U.; HARSAC; IARI; IIT-R; Jadavpur U.; Jammu U.; JMI; JNU; JSAC; MKU; MPCOST; NIT-W; Panjab U.; Pune U.; Sagar U.; Shrivastava U.; Walchand CoE.

*U. = University *CoE. = College of Engineering

Curriculum

The course structure is spread over 10 days of teaching on:

- Advanced Geographical Information System
- Exercises & Practical based on the topics
- Q&A and Discussions

The lectures will be delivered through the latest "TrainNet" software which will enable participants to clear their doubts in real-time using Chat, Email and Live Video Chat interaction. All software demonstrations will be provided using the newly acquired "Projection Server" software. IIRS has vast experience in teaching such advanced topics on Geoinformatics.



Elite Faculty

- | | |
|-------------------------|------------------------|
| •Dr. George Joseph | •Dr. K. Radhakrishnan |
| •Dr. V. Jayaraman | •Dr. P. S. Roy |
| •Dr. V. K. Dadhwal | •Dr. B. Nagarajan |
| •Prof. Dr. M. J. Kraak | •Dr. R. Nagaraja |
| •Dr. S. K. Saha | •Dr. S. P. S. Kushwaha |
| •Mr. P. L. N. Raju | •Prof. R. C. Lakhera |
| •Dr. P. K. Champati Ray | •Dr. D. Mitra |
| •Ms. S. Agarwal | •Dr. S. P. Aggarwal |

EDUSAT Satellite

EDUSAT is the first Indian satellite built exclusively for serving the educational sector and was launched successfully by GSLV-F01 on 20-9-2004. It is mainly intended to meet the demand for an interactive satellite based distance education system for the country. It strongly reflects India's commitment to use space technology for national development, especially for the development of the population in remote and rural locations. The current course will be conducted using the INSAT-4CR transponders which beams on National Beam. The content (ppt) will be converted to HTML using "Course Builder" software and will be uploaded to a student end systems using "Push Server" software.

Course Topics

- Indian Space Program
- Earth Observation & Geoinformatics Tech. Trends
- Spatial Databases
- GIS Customisation & Dissemination
- Spatial Decision Modeling
- Web GIS
- 3D GIS & Visualisation
- Mobile Mapping
- GIS in Facilities Management
- Programming for Geoprocessing
- Open Source GIS(OSGEO Live Demonstration)

About IIRS

The Indian Institute of Remote Sensing (IIRS) under the aegis of National Remote Sensing Centre (NRSC), Department of Space, Government of India, established in 1966, is the premier training and education institute dealing with Remote Sensing, Geo-Information Science & GPS Technology and their Applications. IIRS endeavour has been to bring thematic experts from user community including academic institutions and train them in technology & applications at Postgraduate level with the overall goal of 'technology transfer'. Institute has gained rich experience over the last 44 years in capacity building and implemented many innovative programs tuned to the different needs of various target groups, EDUSAT based training is an outreach Distance Learning Program exclusively launched for university students.



Workshop

In 2007, 2009 and 2010, three workshops have been conducted to gather feedback from participating universities and thereby conduct the future courses with improvements.



Contact Details

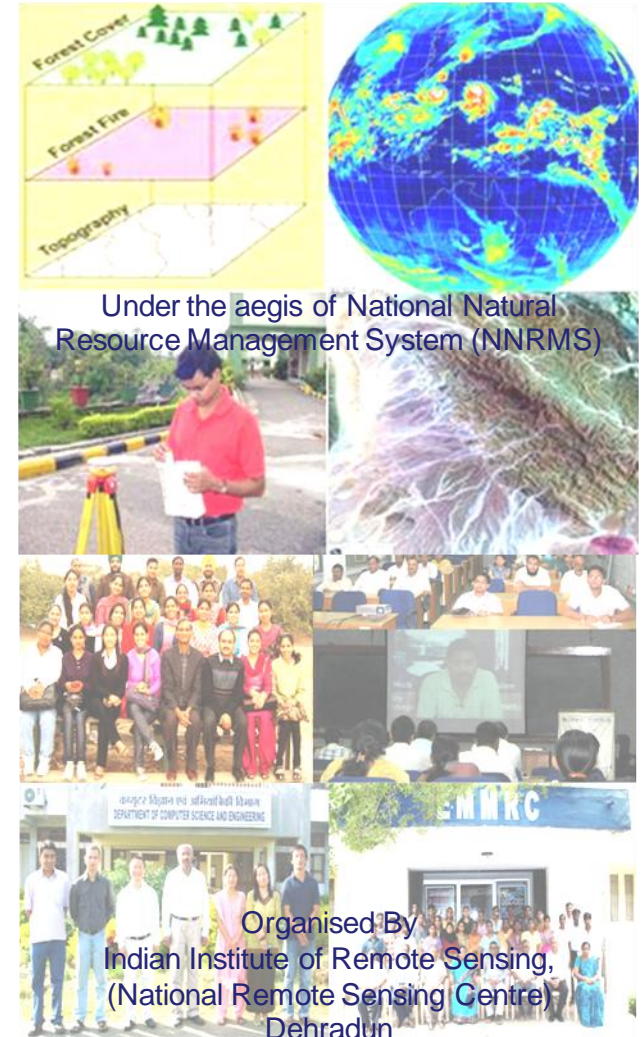
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EDUSAT based Distance Learning Program on "Advanced GIS" 1st Course (February' 2011)



Under the aegis of National Natural
Resource Management System (NNRMS)

Organised By
Indian Institute of Remote Sensing,
(National Remote Sensing Centre)
Dehradun

www.iirs-nrsc.gov.in