

41st IIRS Outreach Programme on Hyperspectral Remote Sensing and its Applications

Course Duration- January 21- February 01, 2019

Course Director & Coordinator- Dr. Anil Kumar and Mr. Vinay Kumar

Course Summary:

Hyperspectral remote sensing is one of the advance technology in remote sensing which has enormous potential for extracting earth resource information. Hyperspectral remote sensing deals with measurements in a large number of contiguous spectral bands with a narrow spectral bandwidth. Because of its ability to detect narrow absorption features hyperspectral data are related to specific vegetation physio-chemical characteristics, ocean biological constituents, soil physical and chemical properties, mineral composition and snow characteristics.



Figure 1: 41st IIRS Outreach Program:Innaugral Session

To familiarize the participants on the topic, a two week online course on **Hyperspectral Remote Sensing and its Applications** was organized through IIRS Distance Learning program from **January 21- February 01**, 2019. A total of 1730 participants from 179 institutes joined the course. During the course, eleven sessions were conducted which focused mainly on Basics of Hyperspectral Remote Sensing, Hyperspectral data processing, dimensionality reduction, classification and Applications of Hyperspectral data in Forestry, water resource management, Urban Applications, Agriculture and soil etc. At the end of the course a panel discussion was conducted on February 04, 2019. The course contents of this course are also available in IIRS e-learning portal under CMS and Youtube Channel- <https://www.youtube.com/user/edusat2004>
