Dr. E. Senthil Kumar

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Indian Institute of Remote Sensing (IIRS) which is engaged in training, education and capacity building on use of geospatial technologies for natural resources monitoring and disaster management support services in the country since last five decades. The institute has so far conducted 28 Satellite and Internet based Outreach Programmes, benefitting more than 62,000 participants from 728 Indian universities/ institutions/user Departments/user ministries in India. We have now the pleasure of announcing the 29th IIRS Outreach Programme targeted to working professionals and students on “Hyper Spectral Remote Sensing and its Applications” commencing from February 19th, 2018. This online programme will provide a unique opportunity to the learners to enhance their knowledge by attending the course at their respective working places.

Hyperspectral remote sensing deals with measurements in a large number of narrow spectral bands over a contiguous spectral range. Because of its ability to detect narrow absorption features hyperspectral data are related to specific vegetation physio-chemical characteristics, soil physical and chemical properties, mineral composition and snow characteristics, mapping tree species, recognizing invasive plants, and identifying key geologic features.
However, because of presence of a large number of bands, hyperspectral data needs different analysis approach including feature reduction, feature selection, removal of noise, detection of absorption features, advance classification techniques. This course will make the participants aware about hyperspectral remote sensing, hyperspectral data processing and its applications. This course will have thirteen sessions. First to eighth sessions will mainly be focused on topics related to hyperspectral remote sensing, ground spectro-radiometer and processing techniques; while ninth to thirteenth sessions will focus on application of hyperspectral data in five application areas.

The course contents of this online programme is enclosed herewith for your kind perusal and wider circulation in your Ministry/Department/Organization/University/Institute. The course is open for all the professionals working in various Ministries and Department of Government of India (Central and State), University/Institutional Faculty/Professors, Researchers, other working professionals and students.

The course can be attended with no cost to the participants. Programme can be received live through internet by utilizing A-VIEW software (www.aview.in) available freely or using live streaming from YouTube. IIRS/ISRO will provide credentials to receive this programme online for registered participants. The participants who successfully complete the course will be awarded a certificate from IIRS, ISRO.

In case if you need any further information about the programme, please feel free to contact: Dr. Anil Kumar, Course Director [Ph:0135-2524114, M:+91-9897460874, email: anil@iirs.gov.in], Shri, Vinay Kumar, Course Coordinator [Ph:0135-2524112, M:+91-9897800601 or email: vinaykumar@iirs.gov.in], Dr. Poonam S. Tiwari, Programme Coordinator [Ph:0135-2524130, Email: edusat2004@gmail.com and dip@iirs.gov.in] for further details.

With regards and best wishes,

Yours sincerely,

(A. Senthil Kumar)

Encl: Course Schedule