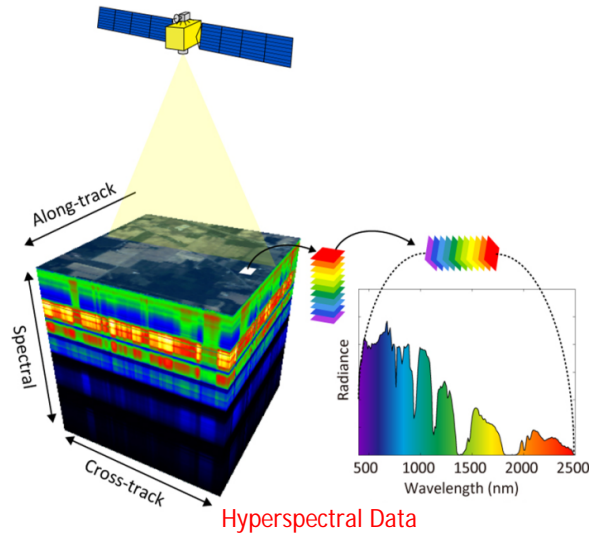


1 Week Training on Hyperspectral Remote Sensing

July 22 - 26, 2019

Hyperspectral remote sensing offers unique opportunities in understanding physical and chemical properties of various terrain features, atmospheric phenomenon and their characterization. The complexity in retrieving information from hyper spectral data demands proper understanding and analysis. The advent of space borne Hyperspectral sensors providing images of Earth's environment brings new challenges in analyzing, exploring and understanding the hyperspectral data.



ISRO Hysi-Sensor

Recently, there is a remarkable increase in the number of Hyperspectra sensors on-board various satellite/airborne platforms. With the launch of ISRO operational HySIS sensor, a critical gap of data availability is filled. Besides, data from AVIRIS, HYDICE, HySI, HYMAP and Hyperion has facilitated research and utilization in applications like atmospheric characterization & climate research, snow and ice hydrology, monitoring coastal environment, ecosystem functioning, mineral exploration, landuse/landcover and vegetation mapping.

The main objective of this course is to enhance the knowledge of the participants in Hyperspectral Remote Sensing and analysis for resource assessment & monitoring.

Course Schedule:

The course is of one week duration from July 22 - 26, 2019.

Training Focus:

The training is essentially for users who intend to use Hyperspectral data for research and development projects and its utilization in various fields. The course could help the participants gain insight into the complexities of using hyperspectral data, processing techniques, analysis and applications with necessary demonstrations to enhance the understanding on the subject. Data transformations, feature extraction techniques & classification methods using the hyperspectral data will be dealt with in the course.

Who can apply?

Applications are invited from State Government / Central Government Departments, NGOs, Private Companies and Faculty/Research Scholars from Academic Institutions who are gearing up to utilize the Hyper spectral Remote Sensing data. Participant should have minimum Masters in Science or Bachelors degree in Engineering. Knowledge in Remote Sensing Applications using optical multispectral data and experience in using Image Processing software is essential. Right of admission reserved with NRSC.