



TREES Training on *“Hyperspectral Science and Applications”*

Earth Ecosystem Research and Training Division (ERTD)
VEDAS Research Group (VRG), EPSA, Date: 27-31 August, 2018



A Five-day training programme was conducted on ***“Hyperspectral Science and Applications”***. The training programme was attended by 20 participants from 14 institutes / organisations from all over country.

Overall 15 lectures covering various aspects of Hyperspectral Science were delivered. The programme initiated with lecture on Hyperspectral Remote Sensing and its Application potential. The Basics covered Hyperspectral Sensor Airborne & Satellite based Imaging, Atmospheric correction tools for Analysis of Hyperspectral data products, Calibration and Validation of Hyperspectral data were covered.

Besides these fundamentals and tools, Applications of Hyperspectral Remote Sensing for Agricultural crops, Soil, Mangroves eco-system, Urban Applications, Costal Studies, Snow and Glacier Applications, Water quality, Biological Oceanography, Environmental Applications, Retrieval of cloud microphysical properties and Advanced Techniques of Hyperspectral data were also covered. More than Seventeen hours of Tutorial / Practical's on AVIRIS data Handling, Analysis and applications of different themes like Agriculture, Forestry, Urban Snow and Water Related were also devoted so that participants can appreciate the theoretical aspects covered.

The participants highly appreciated the course content and its presentation. The feedback received was encouraging; most of participants wanted to be part of research programme. The concluding session was graced by Director SAC Shri Deepak Das, the participants received certificates by him.