

EDUCATIONAL VISIT TO IIRS

Organized by:	School of Agriculture, DBUU
Date of Activity:	18 October 2024
Duration:	One Day
Venue:	Indian Institute of Remote Sensing
Participants:	Students of Agriculture (VII semester) Forestry M.Sc. Plant Breeding M.Sc. Agronomy
Resource Persons/Experts/Guests	Ms. Paratikshya Khadka, Dr. Suraj Luthra

Aligned SDGs



Rationale for SDG Linkage

- The visit enhanced students' **practical knowledge and technical skills** in remote sensing, GIS, and geospatial technologies.
- It promoted **experiential learning** by exposing students to advanced laboratories, expert interactions, and real-world applications.
- Students learned about advanced space and geospatial technologies used in infrastructure development and national projects.
- The visit strengthened industry-academia interaction, fostering innovation and technical capacity building.

Objectives of the Activity

- To provide students with practical exposure to advanced technologies in remote sensing, GIS, and geospatial analysis.
- To bridge the gap between theoretical knowledge and real-world applications in earth observation and spatial data science.

- To create awareness about satellite-based data applications in agriculture, disaster management, urban planning, and environmental monitoring.
- To motivate students towards research, innovation, and higher studies in space and geospatial sciences.

Description of the Activity

SOA, DBUU is organizing an educational visit to the Indian Institute of Remote Sensing (IIRS), a premier institute under ISRO. The visit aims to provide students and professionals with insights into the cutting-edge applications of remote sensing and geospatial technologies in various sectors such as agriculture, forestry, environmental management, and disaster monitoring. During the visit, participants will explore the state-of-the-art facilities at IIRS, including satellite data processing labs, GIS centers, and research departments. The event will include an introduction to remote sensing principles, followed by demonstrations on satellite imagery analysis, GIS applications, and field data integration for real-world problem-solving.

Outcomes of the Activity

- Students gained hands-on understanding of remote sensing and GIS tools and their practical applications.
- Enhanced awareness of career prospects, research opportunities, and training programs offered by IIRS and ISRO.
- Improved students' analytical thinking and interest in technology-driven sustainable solutions.
- Strengthened industry-academia exposure, encouraging students to pursue innovative and interdisciplinary research.
- The visit contributed to achieving Sustainable Development Goals (SDGs) related to quality education, sustainable cities, climate action, and innovation.

Photographs



EDUCATIONAL VISIT

AT

INDIAN INSTITUTE OF REMOTE SENSING

IIRS- Kalidas Road, Dehradun , Uttarakhand

18th OCTOBER 2024 | 10 AM ONWARDS

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Banner of the educational visit at IIRS