

About IIRS

Indian Institute of Remote Sensing (IIRS), a unit of Indian Space Research Organisation (ISRO), is a premier institute for capacity building and research in the field of Remote Sensing and Geoinformatics. Since its establishment in 1966, IIRS is a key player for training and capacity building in geospatial technology and its applications through training, education and research in Southeast Asia. The Institute has a multi-disciplinary and problem oriented research agenda focusing on developing land-ocean-atmosphere applications and understanding Earth's surface and subsurface processes using primarily the space-based technologies. The research programmes are intricately linked to overall goal of ISRO towards operationalisation of space-based services for national development.

About Workshop

Unmanned Aerial Vehicle (UAV) platforms has brought new dimension to the field of remote sensing. The UAVs enable accurate, flexible and low-cost measurements of 3D, radiometric and temporal properties of land cover features with high quality cameras, GPS and precise processing. Availability in wide range of sizes, easier deployment and cost-effectiveness of UAVs compared to conventional air borne/space borne systems make them attractive. With light weight systems, typically flying at altitudes ranging from 100 m to 300 m and the aerial strip extent ranging typically few kms, they have a great potential in applications like natural resource and disaster management, 3D terrain mapping, precision agriculture, wildlife observation, vegetation measurements, etc.

In view of the present and future potential of this emerging technology, Indian Institute of Remote Sensing (IIRS) offers a one day workshop course on UAV remote sensing.

Objective

Create awareness among professionals/academia / Govt. and NGOs on UAV technology of Remote Sensing data and its applications.

Target Participants

The course is designed for professionals from Central / State Govt. / Private Organizations / NGO engaged in paleo channel studies, Ground water studies, Geological and Archeological studies; students and researchers aligned to research in these areas.

Workshop Outline

The workshop will cover following topics related to UAV remote sensing:

- Overview of UAV Remote Sensing and their applications
- UAV Remote Sensing data Processing
- Demonstration on UAV data processing

Workshop Fee

There is no course fee for attending this workshop.

Workshop Registration

- Course updates and other details will be available on URL-<http://www.iirs.gov.in/Edusat-News/>.
- All the participants has to register online through registration page available on above web page link.

How to Attend Workshop

- Individuals can attend the course live via any web browser through the e-class portal of IIRS, Dehradun i.e. <https://eclass.iirs.gov.in>
- The participants can also attend the live workshop via the YouTube channel of IIRS i.e. <https://www.youtube.com/user/edusat2004>

Contact Details

Mrs. Shefali Agrawal
Course Director

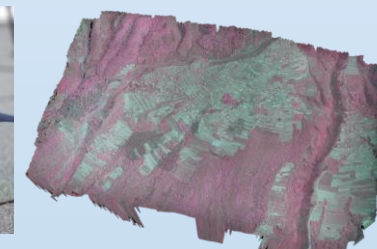
Shri Vinay Kumar
Workshop Coordinator

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IIRS Outreach Programme

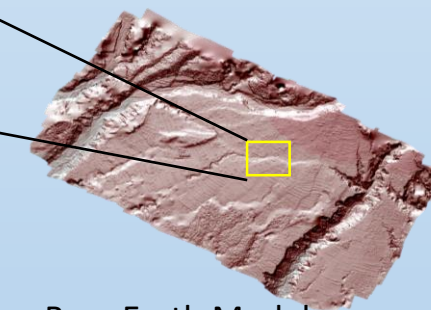
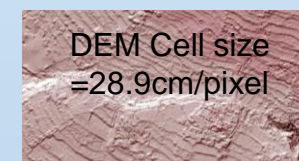
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IIRS Outreach Programme

One Day Workshop on UAV Remote Sensing 21 November, 2022



UAV FCC image of Koti



Bare Earth Model



Organised by

Indian Institute of Remote Sensing
Indian Space Research Organisation
Department of Space, Govt. of India
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