

5-Day Training on Drone Data Processing for Remote Sensing Applications

(October 27 - 31, 2025)

Introduction

Drones, also known as Unmanned Aerial Vehicles (UAVs), have revolutionized the field of remote sensing. Their ability to capture high-resolution data over large areas in a cost-effective manner makes them invaluable for various applications such as agriculture, environmental monitoring, urban planning, and disaster management. This training program is designed to equip participants with the knowledge, skills needed to process and analyze drone-captured data for remote sensing applications. The processed data are used for case based prescriptions, recommendations and decision making.



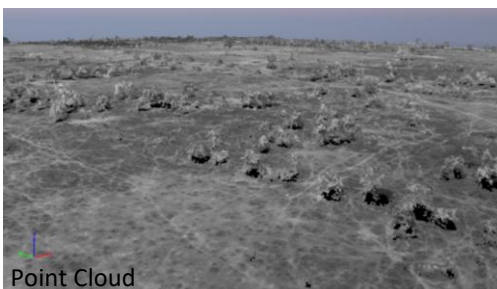
Quadcopter Drone



GNSS Receiver

Program Objectives

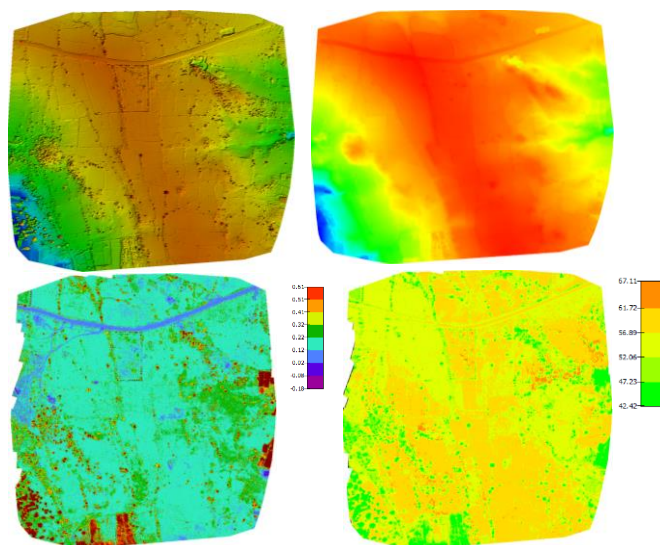
- Understand the fundamentals of remote sensing, UAV Platforms & Sensors.
- GNSS/NaVIC Concepts, Receiver Operation, data collection & processing
- Drone Photogrammetry/LiDAR
- Drone Application case studies on Precision Farming, Geosciences, Climate Studies & Cadastral mapping.
- Tutorials on processing drone data using industry-standard software for RGB, Multispectral & Thermal bands and product generation.



Point Cloud

Who Should Attend?

- Geospatial professionals
- Environmental scientists
- Urban planners



DSM, DTM, NDVI & Temperature Images

- Agricultural consultants
- Disaster management professionals
- Anyone interested in learning about drone data processing for remote sensing



Orthomosaic

Eligibility & Selection

- Applicants must hold a Master's degree in Science, a Bachelor's degree in Engineering, or a Graduation degree with at least 2 years of relevant experience.
- Selection will be based on eligibility, domain experience, and scope of using drone data applications.

How to apply?

Duly filled application forms with sponsorship certificate are invited from working professionals of State Government / Central Government Departments, NGOs, Industry and Faculty/Research Scholars from Academic Institutions who are gearing up to harness Drone data for variety of applications. The duly filled application form should reach NRSC, Hyderabad by speed post (EMS) at address given below by 10th October, 2025. Candidates can send a scanned copy of the application form to training@nrsc.gov.in (attachment < 4 MB) along with fee payment details as advance copy and duly send the originals by speed post to reach the address mentioned below before the due date.

Course Fee & Admission

The course tuition fee given in below table to be paid by Electronic Bank Transfer to NRSC account. Visit our website for more details. Tuition fee does not include lodging & boarding charges. Kindly enclose and send duly filled application form with sponsorship certificate to reach us on or before the due date. Selected candidates will be intimated by email/mobile. Applicants will be provided accommodation in NRSC Guest House II inside the campus on twin sharing basis, food is served by NRSC canteen at a nominal price. *Right of admission reserved with NRSC.*

Course fee (Rs.) for individual applicants	
Central Govt./State Govt./PSUs/Pure Govt. Organizations/Govt. Academic Colleges/Institutes	Industry/Autonomous Bodies & its Institutes, Private Orgn./NGOs/Private Academia/Other Institutes)*
Rs. 10,000/-	Rs. 11,800/-

*Course Fee Rs. 10,000/- + 18% GST.

Postal Address & Contact:

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 Indian Space Research Organisation
 Dept. of Space, Govt. of India
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