



TERI School of Advanced Studies (TERISAS) in Collaboration with Hokkaido University, Japan, IIT Roorkee, IIT BHU, Emerson Centre for Sustainability Studies is organizing

“Capacity Building Workshop on UAV/Drone Applications in Environment and Natural Resources Management: A Hands-on training Program”

Date: 10th December to 12th December 2024

Venue: TERI School of Advanced Studies, Vasant Kunj, New Delhi-110070

Programme Schedule:

Date/Times	Subject	Venue/Resource Person
Tuesday 10 December 2024 (Day 1)- Conference Hall		
0900-0930hrs	Registration	All
0930-0950hrs	Opening Remarks	Dean (Research and Partnerships), TERISAS & Director Emerson CoE
0950-1000hrs	Address by Vice-Chancellor	Vice-Chancellor
1000-1020hrs	Address by Dean (Academics)	Dean (Academics)
1020-1045hrs	Group Photo/High Tea	All
1045-1130hrs	Lecture 1: Introduction to precision agriculture	Dr. Ram Avtar, Hokkaido University, Japan
1130-1140hrs	Question, answer and discussion	Chairperson
1140-1220hrs	Lecture 2: Applications in Natural Resource Management	Dr. Ram Avtar, Hokkaido University, Japan
1220-1230hrs	Question, answer and discussion	Chairperson
1230-1330hrs	Lunch break	All

1330-1415hrs	Lectures 3: Introduction to the use of UAV in natural hazard monitoring-I	Prof. Dr. Yuichi Hayakawa
1415-1425hrs	Question, answer and discussion	Chairperson
1425-1510hrs	Lectures 4: UAV application in landslide monitoring	Dr. Yunus Ali, (IISER Mohali)
1510-1520hrs	Question, answer and discussion	Chairperson
1520-1535hrs	Breaktime	
1535-1620hrs	Lectures 5: Introduction to the use of UAV in natural hazard monitoring-II	Prof. Dr. Yuichi Hayakawa Hokkaido University
1620-1630hrs	Question, answer and discussion	Chairperson
End of Day 1		
Wednesday 11 December 2024 (Day 2)		
0830-0930hrs	Assemble at TERISAS and travel to Field Site	
	UAV Flight Plan	Facilitator & participants
	UAV data collection training	Facilitator & participants
1230-1330hrs	Lunch	Facilitator & participants
1530-1630hrs	Lecture 6: Introduction of UAVs, definitions, terminologies, operations and remote sensing-based case studies	Prof. P K Joshi
1630-1730hrs	Lecture 7: Drone rules in India	Dr. Ashwini Kumar Agnihotri
End of Day 2		
Wednesday 12 December 2024 (Day 3)		
0900-1030hrs	Practical 1: Hands-on training module on UAV Structure from Motion (SfM) data processing: Orthophoto, point clouds & DSM generation.	Facilitator & participants
1030-1100hrs	Practical 2: Hands-on training module on UAV data processing and analysis I	Facilitator & participants

1100-1130hrs	Tea Break	
1130-1300hrs	Practical 3: Hands-on training module on UAV data processing and analysis II	Facilitator & participants
1300-1345hrs	Lunch	
1345-1500hrs	Practical 4: Hands-on training module on UAV data processing and analysis III	Facilitator & participants
1300-1445hrs	Practical 5: Hands-on training module on UAV data processing and analysis IV	Facilitator & participants
Valedictory Function		
1500-1510hrs	Welcome/Felicitation by Registrar	Col B Venkat, TERISAS
1510-1530hrs	Keynote Address	Director General NMCG
1530-1545hrs	NMCG's contribution towards achieving SDG 6	Executive Director (Projects)
1545-1555hrs	Motivational Address by NMCG	Deputy Secretary
	Certificate Distribution/Closing Remarks	Dean (Academics) TERISAS