



# INTEGRAL UNIVERSITY, LUCKNOW

## DEPARTMENT OF COMPUTER APPLICATION

### Notification regarding One Week Faculty Development Programme

on

### “Advanced Research Trends of Satellite Image Processing in Land Surface Monitoring”

It gives me immense pleasure to inform that **Advanced Computing Research Lab**, Department of Computer Application, is organizing **One Week Faculty Development Programme** on “**Advanced Research Trends of Satellite Image Processing in Land Surface Monitoring**” under the aegis of Human Resource Development Center (HRDC), Integral University, Lucknow. The objective behind this FDP to provide a platform for the faculty members to get awareness about recent advancement in satellite image processing and update their knowledge/skills in this domain. The FDP is open for the faculty members in the University as well as from other institutions of repute from **24 August - 28 August, 2020** in online mode.

#### About the Proposed Course:

Climate change is one of the main global challenges that have important economic and social consequences. One of the main sources of data for land surface monitoring and understanding the factors that influence it is the satellite image, which provides information about the Earth's surface, ground, and atmosphere. The faculty development programme on Advanced Research Trends of Satellite Image processing in Land Surface Monitoring will help the participants to gain knowledge of satellite image processing for various applications. It will also help them to improve the skill for solving the engineering problems related to satellite image processing.

**Registration Dates:** 20 August 2020 - 23 August 2020

**FDP Dates:** 24 August 2020 - 28 August 2020

**Exam Date:** 30 August, 2020

**The registration link is as follows:**

<https://forms.gle/xB66VaEWh5HDvBYe7>

**After registration, please join our Telegram Channel created for this FDP using:**

<https://t.me/joinchat/QueZF8hXHSs1mRjl0XLWiA>

**\*\*No registration fees. E certificates will be provided to participants who score at least 40% in the online exam. \*\***

For any clarification, please feel free to contact FDP coordinators or email us at [ca@iul.ac.in](mailto:ca@iul.ac.in).

We look forward to making this course another good learning experience.

Coordinator(s)		
Dr. Tasneem Ahmed Assistant Professor Dept. of Computer Application Mobile: 9548443915	Mrs. Nashra Javed Assistant Professor Dept. of Computer Application Mobile: 8604949379	Mrs. Halima Sadia Assistant Professor Dept. of CSE Mobile: 9838223309

**Dr. Mohammad Faisal**

Head,

Dept of Computer Application

**Faculty Development Programme**  
**on**  
**Advanced Research Trends of Satellite Image processing in Land**  
**Surface Monitoring**

**24 August, 2020 - 28 August, 2020**

Organized by  
**Advanced Computing Research Lab, Department of Computer Application,**  
**Under the Aegis of**  
**Human Resource Development Center (HRDC), Integral University Lucknow, India**

**Schedule**

<b>Date/Day</b>	<b>Time</b>	<b>Topic</b>	<b>Speaker</b>
24/08/2020 Monday	01:30 pm	Inauguration	<b>Prof. Syed Aqeel Ahmad</b> Director Human Resource Development Center, Integral University
24/08/2020 Monday	02:00 pm	Remote Sensing Basics for Contemporary Applications: A Review of Water Index based Approaches of Water Extraction	<b>Dr. Triloki Pant</b> IIIT Allahabad
25/08/2020 Tuesday	02:00 pm	Soil Parameter Retrieval with Synthetic Aperture Radar Data	<b>Dr. Rishi Prakash</b> Graphic Era University, Dehradun
26/08/2020 Wednesday	02:00 pm	Data Fusion Application in Land Cover Classification Using Satellite Data	<b>Dr. Vikas Mittal</b> NIT Kurukshetra
27/08/2020 Thursday	02:00 pm	SAR Polarimetry: Concepts and Applications in Land Cover Monitoring	<b>Dr. Pooja Mishra</b> IIIT Allahabad
28/08/2020 Friday	02:00 pm	An Approach to Classify Tall Vegetation and Urban Using Deoriented PALSAR Image	<b>Dr. Shruti Gupta</b> NIT Delhi
	03:00 pm	A Synthetic Dataset for Validation of Soil Moisture Algorithms in Agricultural Regions	<b>Dr. Akanksha Garg</b> University of California, USA
	05:00 pm	Valedictory	.....
30/08/2020 Sunday	2:00 pm	Online Test <ul style="list-style-type: none"> <li>• <b>E Certificate will be provided to the participants who successfully score at least 40%.</b></li> </ul>	

**ONE WEEK ONLINE  
FACULTY DEVELOPMENT PROGRAMME  
ON  
ADVANCED RESEARCH TRENDS  
OF SATELLITE IMAGE PROCESSING  
IN LAND SURFACE MONITORING**



**DR. POOJA MISHRA**  
IIIT ALLAHABAD



**DR. RISHI PRAKASH**  
GRAPHIC ERA  
UNIVERSITY DEHRADUN



**DR. AKANKSHA GARG**  
UNIVERSITY OF CALIFORNIA, USA



**DR. TRILOKI PANT**  
IIIT ALLAHABAD



**DR. VIKAS MITTAL**  
NIT KURUKSHETRA

**SPEAKERS**

24 - 28 AUGUST, 2020

**ORGANIZED BY  
ADVANCED COMPUTING RESEARCH LAB,  
DEPARTMENT OF COMPUTER APPLICATION  
UNDER THE AEGIS OF  
HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)  
INTEGRAL UNIVERSITY, LUCKNOW**

**Dr. Syed Aqeel Ahmad**  
Director, HRDC

**Dr. Mohammad Faisal**  
HoD, CA

**Dr. Tasneem Ahmed**  
Coordinator

**Mrs. Nashra Javed**  
Coordinator

**Mrs. Halima Sadia**  
Coordinator

**E-Certificate on scoring  
atleast 40% in Online  
Exam on 30 August 2020**

**For more  
details visit  
iul.ac.in/ca**



**No Registration Fees  
<https://bit.ly/31zjEIT>  
20 - 23 August 2020**

**For any queries email us at [ca@iul.ac.in](mailto:ca@iul.ac.in) or Contact at 9548443915**