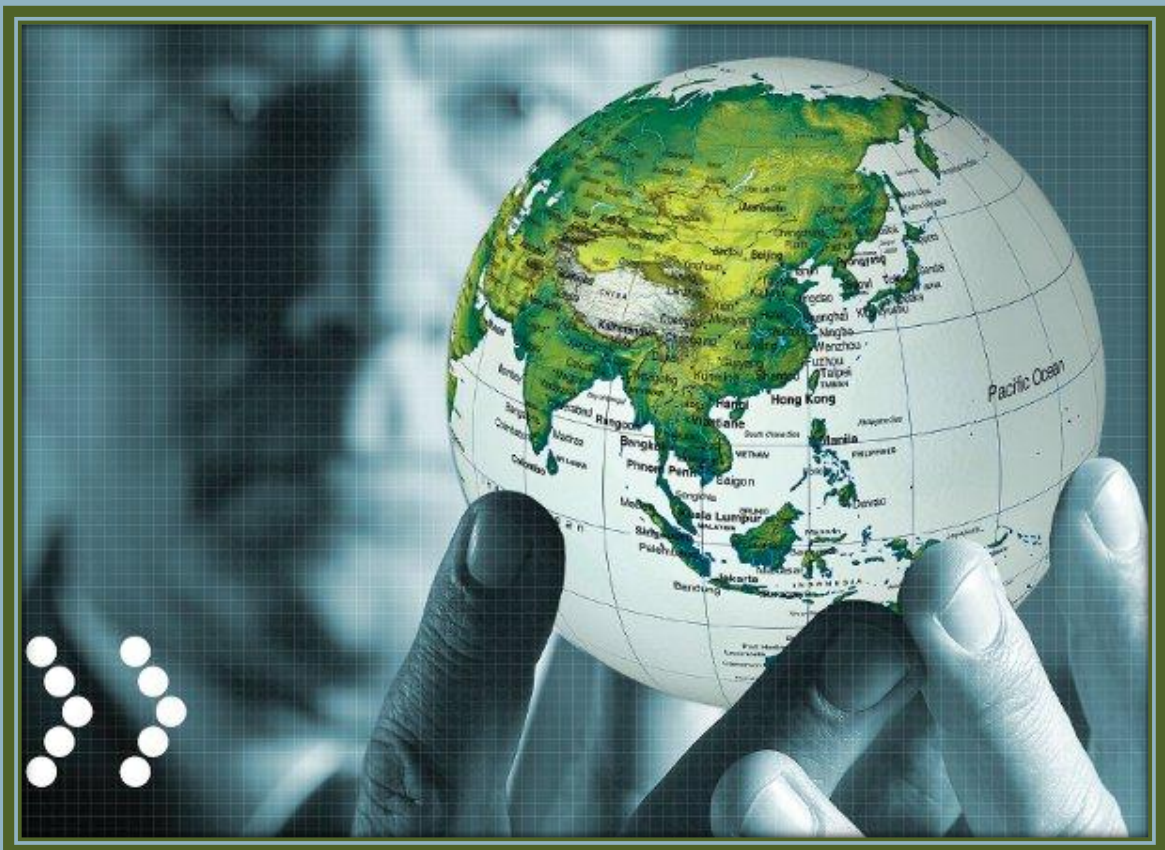


Workshop on GeoInformatics



L OVELY
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May, 20 (Monday) – May, 24 (Friday), 2019



Organized By :

Department of Geography (School of Social Sciences & Languages)

And

Human Resource Development Center

Lovely Professional University, Punjab

BACKDROP AND RATIONALE

Geoinformatics is the umbrella term for remote sensing, Geographic Information System (GIS) and Global Positioning System (GPS). It is the science and the technology which develops and uses information science infrastructure to address the problems of geography, cartography, geosciences and related branches of science and engineering. Geoinformation system has a variety of uses viz. agriculture, archaeology, environment, geology, health, land information system, military, urban and rural development, telecommunication, power, water resource, natural and man-made disasters management, banking and insurance, business geographies, mobile mapping, etc. Keeping in view the importance of Geoinformatics, this workshop aims at enabling the participants to acquire expertise to interpret satellite data using GIS softwares

LEARNING OUTCOMES

The participants will be able to:

- Interpret satellite data using GIS softwares.
- Create geo-database for vector data modelling.
- Analyse satellite imageries for processing and classification.
- Create thematic maps using GIS software.

METHODOLOGY

- Demonstration based on GIS software(s).
- Hands on practice on popular GIS software(s) using datasets
- One-on one Coaching

CERTIFICATION

Participation certificates will be awarded subject to meeting participation criteria i.e. 100% attendance and Post training Evaluation

VENUE

Human Resource Development Center Block 32, Room No 413, Lovely Professional University Jalandhar-Delhi G.T. Road, Phagwara, Punjab.

SCHEDULE: May 20th - 24th, 2019



Time: 09:00 a.m. to 05:00 p.m.

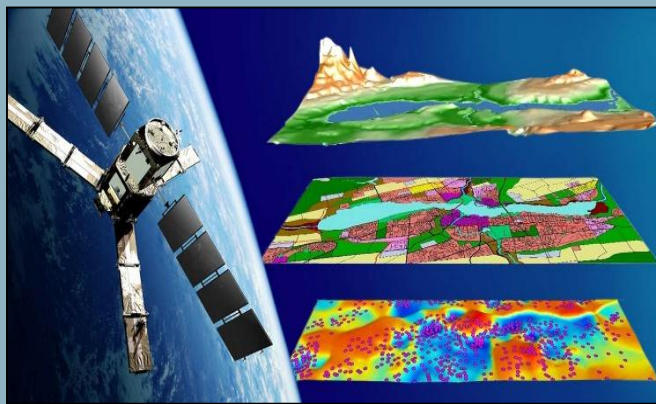
DAY AND DATE	SESSION	TOPICS
20 th May 2019 (Monday) Day 1	S1	Fundamental of Geoinformatics
	S2	Concept of Spatial Information System
	S3	Introduction of GIS software's
21 st May 2019 (Tuesday) Day 2	S1	Data creation with GIS software's
	S2	Making GIS layers
	S3	GIS Data editing and cleaning
	S2	Coordinate transformation
	S3	Fundamentals of image classification

DAY AND DATE	SESSION	TOPICS
22 nd May 2019 (Wednesday) Day 3	S1	Extracting length, area and perimeter of GIS layers
	S2	Spatial and Non-spatial data linking GIS data analysis (Extracting information's)
	S3	Map composition Thematic maps, Choropleth and Isopleth maps
23 rd May 2019 (Thursday) Day 4	S1	Buffer analysis (case studies)
	S2	Impact analysis (pollution mapping)
	S3	Remote sensing (Satellite data collection)
24 th May 2019 (Friday) Day 5	S1	Basics of image processing
	S2	Fundamentals of image classification
	S3	Post Training Evaluation, Feedback & Valedictory

RESOURCE PERSON



Mr. Ravindra Nath Tiwari, is heading the GIS Department, at Institute of Photogrammetry & GeoInformatics (IPGI) New Delhi India. He has conducted workshops in various universities (Delhi universities, MDU, CCS, Delhi technical university) and colleges in the GeoInformatics Domain, Mr. Tiwari is having more than ten years experience including Industry, Teaching, Research & Development in Digital Photogrammetry, techniques such as Surveying Engineering, Photogrammetry, Remote sensing and Geographical Information System (GIS), Global Positioning System (GPS), Environmental Engineering, Drone mapping etc., related subjects.



REGISTRATION FEE

Participant Type	*Registration Fee (Rs.)	Registration Closes
LPU Faculty / Staff Member / Alumni/Scholars	3600/-	May 17, 2019
External Participants	4000/-	

*Includes program kit, Hospitality and Certification

NOTE:

- Online payment will be accepted up to **May 10 (Friday), 2019**,
- Cash payment will be accepted for registered participants latest by **May, 11 (Saturday), 2019** up to 4 p.m., subject to the availability of seats.
- **Fee once paid is non-refundable.**

HOW TO REGISTER



- Step 1: Go to www.lpu.in/academics/faculty-development.php
- Step 2: View brochure in the tab "Courses Available"
- Step 3 : If a new user enter your particulars to register or create an account.
- Step 4: Login to your account.
- Step 5: Click on "Register" to register for the desired course available on the home page.
- Step 6: Select the appropriate participant group for registration. If Research Scholar, attach proof of registration in M.Phil. or Ph.D. Program. If student, attach student ID card.
- Step 7: Select the payment mode and make payment accordingly.

MODE OF PAYMENT



- **Online Payment:** Net Banking / Debit & Credit Card
- Cash Payment:
- **Step 1:** Register for the Workshop
- **Step 2:** Download the Challan Form
- **Step 3:** Submit the Challan Form and Cash in Division of Accounts, Block 32-103, Window No. 1 from 09.00am - 04.00pm.

ABOUT HOST INSTITUTION

Lovely Professional University (LPU) is a multi-faculty research oriented institution with hi-tech campus offering more than 200 professional programmes. LPU campus is a complete world in itself having more than 30,000 students from 29 states of India and 3000 foreign students from more than 50 countries of the world. The University, established by the State Legislature of Punjab, is duly recognized by University Grants Commission under section 2(f) of the UGC Act, 1956. LPU is also a member of Association of Indian Universities (AIU), Association of Common Wealth Universities, UK and International Association of Universities, France. LPU has all the makings of a global institution including internationally benchmarked curricula, innovative pedagogy focused on experiential learning, 200+ foreign tie-ups, well qualified and experienced faculty, outstanding

sports & cultural facilities, hostels, a shopping mall and hospital etc.

Human Resource Development Center (HRDC) is an entity established under the aegis of Lovely Professional University for professional development of staff. The Center is responsible for planning, organizing, implementing, monitoring and evaluating the staff development programs as per the desired standards of quality intended to be delivered. A variety of Faculty Development Programs are conducted to enhance the quality of teaching and research. The Programs are specifically designed to master state of the art developments in course content, pedagogy and research methods. Training Programs are conducted by eminent resource persons from nationally and globally reputed institutions. LPU is the Local Chapter for National Programme on Technology Enhanced Learning (NPTEL), offered by seven premier IITs and IISC Bangalore with support from Ministry of HRD, Govt. of India. LPU has been awarded AAA rating by NPTEL, a status accorded to the top ten chapters.

The School of Social Sciences and Languages is known for its exemplary curriculum and pedagogy. Recognizing liberal arts education as the crying need of the global education system, the school exposes the students to theoretical rigor, field work and research, along with social sensitization through opportunities to interact and learn from the outside world. **Department of Geography** offers honours course in graduation program and M.Sc. degree in postgraduate program. The department labs have all the required equipment and GIS software(s) for training students to work with remote sensing and GIS technologies and also provides applied skills for solving the spatial problems.

ORGANIZING COMMITTEE

PROGRAM CONVENERS:

Dr. Sunaina Ahuja

Professor & Associate Dean, Human Resource Development Center, Lovely Professional University

Dr. Pavitar Parkash Singh

Professor & Associate Dean, School of Arts and Languages, Lovely Professional University

PROGRAM COORDINATORS:

Dr. Savita Gupta,

Associate Professor, Human Resource Development Center, Lovely Professional University, E-mail: academic_staffcollege@lpu.co.in Contact: 01824-444541; M: 9876264417

Dr. Aparna Joshi

Associate Professor, Department of Geography, Lovely Professional University, Ph. 9888415180, E-mail: aparna.21071@lpu.co.in

