



Department of Science & Technology Govt. of India

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Department of Geoinformatics, University of Kashmir, Jammu and Kashmir, India.

### Supported by

National Geospatial Program, Department of Science and Technology, Government of India, New Delhi.

# Winter School in Geospatial Science and Technology (Level 1)

01 to 21 December, 2022

# At Department of Geoinformatics, University of Kashmir Jammu and Kashmir, India

## **Principal Investigator**

Prof. Shakil Ahmad Romshoo, Professor, Department of Geoinformatics, Kashmir University (KU), Jammu & Kashmir, India

## **Co-Coordinators**

- 1.Dr. Irfan Rashid, Coordinator Geoinformatics, Department of Geoinformatics, Kashmir University
- 2.Dr. Khalid Omar Murtaza, Assistant Professor, Department of Geoinformatics, Kashmir University

#### **University of Kashmir**

The University of Jammu and Kashmir was founded in the year 1948. In the year 1969 it was bifurcated into two full-fledged Universities: University of Kashmir at Srinagar and University of Jammu at Jammu. The University of Kashmir is situated at Hazratbal in Srinagar. It is flanked by the world famous Dal Lake on its eastern side and Nigeen Lake on the western side. The Main Campus of the University spread over 247 acres of land is divided into three parts – Hazratbal Campus, Naseem Bagh Campus and Mirza Bagh Campus (serving residential purpose). Additional land has been acquired at Zakura near the main campus for further expansion of the University. The tranquil ambience of the Campus provides the right kind of atmosphere for serious study and research. The University is committed to provide an intellectually stimulating environment for productive learning to enhance the educational, economic, scientific, business and cultural environment of the region. The University offers programmes in all the major faculties; Arts, Business & Management Studies, Education, Law, Applied Sciences & Technology, Biological Sciences, Physical & Material Sciences, Social Sciences, Medicine, Dentistry, Engineering, Oriental Learning and Music & Fine Arts. It has been constantly introducing innovative/ new programmes to cater to the needs and demands of the students and the society. Over the years, the University has marked towards excellence in its programmes and activities. It has been reaccredited as Grade-A+ University by the National Assessment & Accreditation Council (NAAC) of India. This is recognition and reflection of the high standard of quality in teaching and research at the University of Kashmir. Visit us on:-https://www.kashmiruniversity.net

#### **Department of Geoinformatics**

We are running interdisciplinary Ph.D./I.Ph.D program and professional M.Sc. course in Geoinformatics since 2010. The University started teaching Remote Sensing and GIS since 2004 with the introduction of the PGD in RS/GIS. The master's course is aimed to build the technical ingenuity of the student in the application of geospatial technologies for some of the most pressing real-world challenges in environmental, social and economic domains and also to match-up their skills to the growing demands in the industry for Geoinformatics. The Program emphasizes on theory, practical applications through hands-on exercises, case studies and an independent dissertation. The syllabus of the courses is as per the latest developments and trends in geospatial science and technology with specific geographic focus on the Jammu, Kashmir and Ladakh Himalayan region. A wide exposure and encouragement to the students and research scholars to be a part of rich knowledge exchange programs such as national and international seminars, workshops pertaining to the promotion of Remote Sensing, GIS, and GPS, have remained a key strength of the program over the years. The Department has more than a dozen active research collaborations with a few reputed national and international institutes/organization and have successfully conducted more than a score of sponsored research projects during the last one decade, with the total funding of more than INR 300 million in various fields of earth and environmental science. The Department has set up state of the art laboratories and field infrastructure in the field of Geoinformatics, glaciology, hydro-meteorology and climate change including the national ice-core laboratory for studying Himalayan ice cores. Visit us on:- http://geoinformatics.uok.edu.in



Fig 1. University of Kashmir ,Jammu and Kashmir, India

#### What is the Summer/Winter Schools (Level 1)Capacity Building Program in Geospatial Science and Technology

Recently knowledge has been identified as the most important driving factor for India's sustainable economic growth. India has adopted a new information regime for sustainable economic growth through its 'Digital India' program to support good governance, sustainable development goals and empowerment of its citizens. Over the last three decades, the widespread adoption of geospatial technologies into various sectors have proven to be an effective enabler to meet these challenges. The capacity building program initiatives of the National Geospatial Program (NGP) erstwhile Natural Resource Data Management System (NRDMS) Department of Science and Technology, Government of India to develop national capacity for geospatial science and technology development through diverse programs in collaboration with various partner organizations adaptation capacity of geospatial science and technology at across the country. The objective of the program is to build knowledge and various levels of governance in collaboration with academia and user agencies. The three week Summer/ Winter School in Geospatial technology is being conducted at two levels– Level 1 and Level 2. The 21-day summer/winter school in Geospatial Science and Technology, Government of India focuses on developing knowledge and capacity building in geospatial technologies through the use of open source geospatial software.

#### Who can apply?

Faculty members, scientist, technologist, researchers from academia, national institutes of research, smart city cells, municipal corporation and other government departments, personnel from non government organizations are eligible to apply. Only 2-3 seats at each centre are reserved for research scholars.

#### How to apply?

- Interested candidates should fill the online application form through the weblink available on http://dst-iget.in.
- Selected candidates will be informed by mail.
- For any further queries write to dst-iget@bvieer.edu.in or call on +91-20-24375684/24362155.
- Address all queries to PI through Email.

#### **Important Information**

Last date for registration: 20 November 2022 Dates of the program: 01 to 21 December 2022

#### Mode of conduct: Offline mode

(According to the situation of Pandemic the mode of conducting the program will be changed to ONLINE)

Number of Seats: 25.

**Registration Fees: Nil** 

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#### For any queries contact:

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#### **Grading and Certification :**

Grading and Certification Participants will be assessed based on assignments completed during the course, a mini project that they are expected to complete, active participation during the training program as well as attendance.

**Note:** In case the program is conducted online due to COVID 19 restrictions, participants must ensure that they have a laptop and a strong internet connection.

#### **Infrastructural facilities**

The Department has set up state of the art laboratories and field infrastructure in the field of Geoinformatics, glaciology, hydrometeorology and climate change including the national ice-core laboratory for studying Himalayan ice cores. That includes state of the art software such as PCI Geomatica, ERDAS Imagine, ArcGIS 10.2, IGIS Server; QGIS and ILWIS.

#### **Boarding and Lodging facilities**

The University has a spacious guest house known as Sheikh Hamza Makhdoom Guest House within the university campus at Srinagar with a total capacity of 45 double bedded rooms with AC/non-AC rooms and has a 24x7 wi-fi facility across the campus.



Fig 2,3,4 &5: Four Remote Sensing and GIS Labs at KU





Fig 7: Sheikh Hamza Makhdoom Guest House