

Faculty Development Program on Geospatial Technology: From Basics to Business

HRDC, Fakir Mohan University

13th – 18th Dec, 2021



Chief Patron

Prof. Santosh Kumar Tripathy
Vice Chancellor

Patron

Prof. Munesh Chandra Adhikary
Director, HRDC

Coordinator

Dr. Nihar Ranjan Rout
Associate Professor and Head
P. G. Department of Geography

Organized by

HRDC, Fakir Mohan University, Vyasa Vihar,
Balasore, Odisha, India – 756 089

www.fmuniversity.nic.in

Link for Registration:

About F.M. University

The Fakir Mohan University, Vyasa Vihar, Balasore was established by the Government of Odisha, under Section 32 of the Odisha Universities Act, 1989 (Act 5 of 1989) and notified vide the Government's Notification No. 973, dated 3rd July 1999. It has been duly recognized by the UGC under Section 2(f) of the UGC Act vide Notification No. F-9-1/2000 (CPP-I), dated 11th February 2000 as well as under Section 12(B), vide UGC letter no. F.9-1/2000 (CPP-I) dated 23rd December 2005. The University has also been accredited by the Association of Indian Universities (AIU) since 2000 and is also a member of the Association of Commonwealth Universities (ACU), UK. At present it is functioning in two campuses - The Old Campus at Januganj, beside the National Highway near Remuna Golei and the New Campus at Nuapadhi, in and around Balasore town, a coastal city in the state of Odisha in India.

Overview

Geospatial Technology is an evolving field of study that enables the users to acquire data corresponding to the geographic coordinates of the object under investigation, and use it for analysis, modelling, simulations and visualization. On one hand, while it has become an essential part of everyday life, on the other, it is regarded as a sophisticated set of tools for academicians from varieties of disciplines and others engaged in scientific research on mapping and analysing earth and human societies. Geospatial technology involves GIS (Geographical Information Systems), RS (Remote Sensing), GPS (Global Positioning Systems) and also, Internet/ Web Mapping Technologies. Under this backdrop, this one-week programme is being arranged for the benefit of faculty members from different departments involved in geospatial studies.

Objective and Scope

The one-week FDP intends to provide an exposure to the participants about the concept of geospatial techniques, its scope possible applications. The course will enable the participants to get an insight of the concept of geospatial database and application of various techniques and tools like Remote Sensing, GIS, GPS etc. in different sectors/ areas, wherever the concept of location is important.

Course Content

- Introduction to Geospatial Technology
- Fundamentals of GIS and Remote Sensing
- Remote Sensing and Disaster Management
- Coastal Hazard and Vulnerability
- Shoreline and Sea level Change
- Geospatial Applications in Coastal Zone Management
- Applications of Geospatial Techniques in Hydrology
- Geospatial Techniques and Mountain Studies
- Geospatial technology and Earthquake Studies
- UAV Remote Sensing and its Application

Outcomes

By the end of the program, the participants should:

- Understand the concept of Geospatial Technology
- Get an insight of various tools and techniques used in Geospatial analysis
- Have a knowledge of major applications of Remote Sensing, GIS and GPS in different fields
- Have an awareness of the recent works carried out in the field of geospatial technology

One-week FDP includes

- 24 Hours of Instructor-led live online deliberation & Interactive Sessions.
- Soft copy of study materials, if any, shared by the resource persons.
- Certificate from HRDC, FAKIR MOHAN UNIVERSITY, BALASORE

Who Can Participate?

Faculty members of affiliated colleges of Fakir Mohan University and UGC recognized Universities and colleges of India. Although Research scholars may apply for participating in the course, priority will be given to the faculty members. The course being interdisciplinary in nature, may accommodate participants from various departments like Geography, Geology, Environmental Science, Physics and even Social Science.

Registration and Attendance

- Participants can register their names for the course using the given link
- Last date of registration: **12.12.2021** (till 5PM)
- Total - 40 seats and the selection will be done on first-cum-first-serve basis.
- The course shall be conducted in an online mode using google meet platform
- The link for attending the classes shall be shared with the selected participants by email/ WhatsApp
- Attending all sessions of the programme is mandatory and certificate will be issued to those faculty members who complete the course with online attendance and submit the feedback and other forms in time.

Registration Fee

No Registration Fee

Resource Persons

- Dr. Gopal Krishna Panda, Former Professor of Geography, Utkal University, Bhubaneswar
- Dr. Manoranjan Mishra, Department of Natural Resource Management and Geoinformatics, Berhampur University, Berhampur
- Dr. P. Kumar, Former Scientist, Odisha Space Applications Centre, Bhubaneswar
- Dr. Amrit Chandan Patra, Senior Geologists, GSI Training Institute, Hyderabad
- Dr. Pritam Chand, Department of Geography, Central University of Punjab, Bhatinda
- Dr. Shanti Swarup Sahoo, Department of Geology, Utkal University, Bhubaneswar
- Dr. Abhrankash Kanungo, Scientist, Andhra Pradesh Space Applications Centre, Hyderabad
- Dr. Prakash Chandra Dash, Xavier Institute of Social Service, Ranchi
- Dr. Tamoghna Acharyya, School of Sustainability, XIM University
- Dr. Rabindra Kumar Panigrahy, Scientist, Department of Science and Technology, New Delhi
- Dr. Nihar Ranjan Rout, Department of Geography, Fakir Mohan University, Balasore



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REGISTRATION FORM

1. **Name** (block letter):
2. **Gender**:
3. **Category** (SC/ ST/ OBC/ SEBC)
4. **DOB**:
5. **Designation**:
6. **Organization**:
7. **Address for communication**:
.....
.....
- Pin code**: **Ph. No.**:
- E-mail**:
8. **Highest Academic Qualification**:
9. **Specialization**:
10. **Experience (in years)**:
(a) **Teaching**: (b) **Industrial**:
11. **Aadhar No**:

DECLARATION

I do hereby agree to abide by the rules and regulations of the FDP.

Place:
Date:.....

.....
Signature of the Applicant