EVENT COMPLETION REPORT

Title of the Event: *One-Day State-Level Workshop cum Hands-On Training Programme on Basics of Satellite Image Analysis: Analog Cartography*

Date: 26th September, 2024

Organized by: Department of Geography, Birpara College

Resource Person: Dr. Debdip Bhattacharya, Assistant Professor, Sukanta Mahavidyalaya, Dhupguri

Introduction:

The Department of Geography at Birpara College organized a one-day state-level workshop on "*Basics of Satellite Image Analysis: Analog Cartography*" on 26th September, 2024. This workshop aimed at equipping participants with foundational knowledge in satellite image analysis and cartography, focusing on traditional analog methods. The session was enriched by the expertise of Dr. Debdip Bhattacharya, a distinguished academician from Sukanta Mahavidyalaya.

Objectives:

- To introduce participants to the basics of satellite image analysis.
- To provide hands-on experience with analog cartography techniques.
- To bridge theoretical knowledge with practical applications in the field of cartography and satellite imagery.

Program Highlights:

1. **Inaugural Session:** The workshop commenced with a brief inaugural session, where the Principal of Birpara College welcomed the participants and introduced the resource person, Dr. Debdip Bhattacharya. He emphasized the relevance of satellite image analysis in modern geographical studies and the importance of integrating traditional cartographic techniques with digital advancements.
2. **Technical Session I - Basics of Satellite Image Analysis:** Dr. Bhattacharya started the first technical session by explaining the fundamentals of satellite image analysis. He covered topics such as the principles of remote sensing, image interpretation, and the various types of satellite imagery used for geographical analysis. His interactive approach ensured that participants grasped the theoretical underpinnings before moving on to practical applications.
3. **Technical Session II - Analog Cartography:** In the second session, participants were introduced to analog cartography techniques. Dr. Bhattacharya demonstrated the process of manually analyzing and interpreting satellite images, comparing them with modern digital methods. The session was designed to help participants appreciate the precision and depth of analog cartography, which still holds value in specific contexts.
4. **Hands-on Training:** The most engaging part of the day was the hands-on training, where participants got the opportunity to work on satellite images under Dr. Bhattacharya's guidance. Each participant was provided with satellite data and maps for practical exercises. This interactive session helped participants develop skills in interpreting geographic information through traditional methods, creating thematic maps, and understanding spatial data representation.

5. **Discussion and Q&A Session:** The workshop concluded with a lively discussion and Q&A session, where Dr. Bhattacharya addressed queries from students and faculty. He shared insights into the challenges of working with satellite data and encouraged participants to explore the vast applications of cartography in their academic pursuits.

Feedback and Outcome: The participants expressed immense satisfaction with the workshop, particularly praising the clarity of Dr. Bhattacharya's explanations and the balance between theory and practice. The hands-on training allowed them to engage actively, and the practical knowledge gained was deemed highly beneficial for both students and faculty members.

Conclusion:

The one-day state-level workshop on "*Basics of Satellite Image Analysis: Analog Cartography*" was a resounding success. It provided valuable exposure to satellite image analysis techniques and enriched participants' understanding of analog cartography. The Department of Geography at Birpara College plans to organize similar workshops in the future to further enhance the skills and knowledge of students and faculty in geographical studies.