

BIRPARA COLLEGE

(NAAC ACCREDITED)

P.O. Birpara, Dist. Alipurduar (W.B.)

PIN - 735 204

*(A Govt. Aided Degree College
Affiliated to the University of
North Bengal & Enlisted Under
Sec. 2(f) & 12(B) of UGC. Act.)*



Phone & Fax No. : 03563 - 266217

Website : www.birparacollege.ac.in

e-mail : birparacollege@gmail.com

Ref

Date

EVENT COMPLETION REPORT

5-DAY NATIONAL-LEVEL CAPACITY BUILDING AND HANDS-ON WORKSHOP: QGIS FOR RESEARCH AND ADVANCED MAPPING TECHNIQUES

Organized by: Department of Geography, Birpara College

In Collaboration with: Dhupguri Girls College, Dhupguri & Integrated Institute for
Advance Research and Information, Kolkata

Date: 10th April 2023 – 14th April 2023

Introduction

The Department of Geography, Birpara College, in collaboration with Dhupguri Girls College and the Integrated Institute for Advance Research and Information, Kolkata, successfully organized a 5-day national-level capacity-building and hands-on workshop titled “*QGIS for Research and Advanced Mapping Techniques.*” This event aimed to enhance the technical and analytical mapping capabilities of students, researchers, and faculty members by providing practical exposure to QGIS, a free and open-source Geographic Information System (GIS) tool widely used for spatial data analysis.

Objectives

- To build technical proficiency in using QGIS software for research and mapping tasks.
- To provide hands-on experience in advanced mapping techniques, spatial data management, and analysis.
- To foster collaboration among participants from various institutions for future GIS-based research projects.

Kanstav Chakraborti
Principal
Birpara College
Birpara, Alipurduar

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Participation

A total of 113 participants from various colleges and institutions across the country attended the workshop. The attendees included undergraduate and postgraduate students, research scholars, and faculty members from diverse academic backgrounds. This diversity enriched the discussions and knowledge exchange during the workshop.

Workshop Highlights

1. Inaugural Session:

- The workshop commenced with an inaugural ceremony on 10th April 2023, featuring keynote addresses by eminent academicians and GIS experts.
- The Teacher in Charge of Birpara College delivered a welcome speech, emphasizing the importance of GIS in contemporary research and its applications across disciplines followed by Dr. Debnath (Principal, Dhupguri Girls' College). The ceremony also included addresses by other esteemed guests and dignitaries, such as Professor Deepak Kumar Mandal (HOD, Dept. of Geography & Applied Geography, NBU), Dr. Nilangshu Sekhar Das (Principal, Sukanta Mahavidyalaya), Professor Piyal Basu Roy (Dept. of Geography, Coochbehar Panchanan Barma University), Dr. A. Basak (Associate Professor, Dept. of Geography & Applied Geography, NBU), and Dr. B.C. Sarkar (Associate Professor, AC College)

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2. Technical Sessions:

- **Day 1:** Introduction to QGIS and Basics of Spatial Data Handling.
- **Day 2:** Mapping Techniques and Visualization Tools.
- **Day 3:** Creation of Thematic Maps

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- **Day 4:** Image Classification in QGIS
- **Day 5:** Advanced Geoprocessing and Interactive Q&A Sessions.

3. Resource Persons:

- The sessions were conducted by experienced GIS professionals and academicians from Integrated Institute for Advance Research and Information, Kolkata. Their expertise provided valuable insights into the theoretical and practical aspects of GIS applications.

4. Hands-on Training:

- Each participant had access to individual workstations, ensuring effective engagement with the software.
- Practical sessions were designed to simulate real-world GIS tasks, enabling participants to develop skills relevant to their research and professional needs.

Outcomes

- Participants gained proficiency in QGIS software, equipping them to independently handle spatial data analysis and mapping tasks.
- Many expressed interests in applying the skills acquired to their ongoing research projects.
- The workshop fostered networking among participants, resource persons, and organizing institutions, paving the way for collaborative initiatives.

Valedictory Session

The workshop concluded on 14th April 2023 with a valedictory ceremony. Certificates of participation were distributed to all attendees. The event concluded with a vote of thanks

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delivered by the organizing committee, acknowledging the contributions of the collaborating institutions, resource persons, and participants.

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Principal
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