

**7-Day Workshop  
on  
'Research Methodology for Spatio-Temporal  
Applications: Bridging Tradition and Innovation'**

**Date: 18.11.2024 to 24.11.2024**

**Organized by**

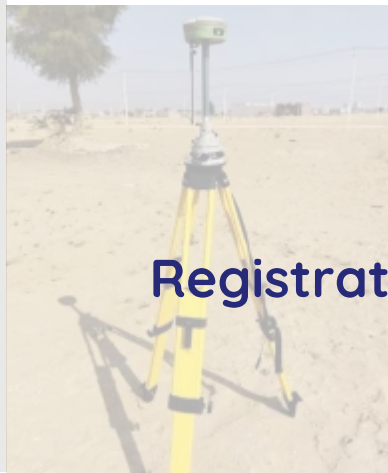
**Department of Geography & Internal Quality Assurance Cell (IQAC), DHUPGURI  
GIRLS' COLLEGE**

**in collaboration with**

**Malaviya Mission Teacher Training Centre (MMTTC) (Formerly UGC-Human  
Resource Development Center), UNIVERSITY OF NORTH BENGAL**

**&**

**Integrated Institute for Advanced Research and Information (IIARI)  
MSME, Govt of India & ISO Certified Premier Research and Skilled Course  
Providing Institute, Kolkata**



**Registration Link: <https://forms.gle/KGu1S5u9KYyADSAMA>**

**NO REGISTRATION FEES**

Established in November 2009, MMTTC (formerly UGC-Academic Staff College and UGC-HRDC) aims to drive social and economic transformation through innovative higher education approaches. The Centre has successfully conducted over 100 Refresher Courses, 40 Orientation Programs, and 20 Workshops, attracting participants nationwide. Located in Siliguri at the foothills of the Himalayas, MMTTC offers a scenic and accessible environment. It's 4 km from Bagdogra International Airport and 15 km from New Jalpaiguri Railway Station. Participants enjoy modern facilities, including air-conditioned smart lecture rooms, a state-of-the-art seminar hall, and access to the University's Central Library resources.

Committed to transparency and inclusion, MMTTC ensures the selection of participants based on reservation criteria. With a focus on digitization and sustainability, the Centre has adopted paperless processes. It has also initiated online programs during the COVID-19 pandemic and expanded into inter-University research collaboration, aiming to become a multidisciplinary hub for training, research, and outreach.

**Malaviya Mission Teacher Training  
Centre (MMTTC)  
(Formerly UGC-Human Resource  
Development Centre)  
UNIVERSITY OF NORTH BENGAL**



**'সমানো মন্ত্র সমিতি সমানী'**



Dhupguri Girls' College, established in 2013, is dedicated to empowering underprivileged women in the Dooars region of North Bengal. In an area where development is still emerging, the college provides rural women with access to higher education, enabling them to become vital contributors to society. Focused on holistic education, the college offers academic resources and audio-visual learning programs that promote self-empowerment and open pathways to employment. These efforts not only uplift individual students but also strengthen the local community, fostering progressive thinking and innovative solutions.

## About Dhupguri Girls' College



<https://dhupgurigirlscollege.ac.in>

**How to Reach**  
**Dhupguri Girls' College on Google**  
**Maps**

IIARI, based in Kolkata, is a research organization specializing in integrated studies, program implementation, and industry and market research. Its work spans three core areas: academic development, industrial services, and consultancy. The institute emphasizes hands-on training through the application of various software, geographic information systems, and skill development programs, all aimed at helping participants enhance their academic goals. IIARI also offers a wide range of short-term courses designed to sharpen skills and provide a competitive edge in the professional world.

## About Integrated Institute for Advanced Research and Information (IIARI)



# Our Distinguished Speakers



Prof. Dr. Anjan Chakrabarti  
Director  
Malaviya Mission Teacher Training Centre (MMTTC)  
Formerly UGC-Human Resource Development Centre  
UNIVERSITY OF NORTH BENGAL



Prof. Dr. Ramkrishna Maiti  
Professor, Dept. of Geography  
Vidyasagar University



Prof. Dr. Ranjan Roy  
Professor  
Dept. of Geography & Applied Geography  
University of North Bengal (NBU)



Dr. Nazrul Islam  
Associate Professor, Dept. of  
Geography  
Cooch Behar Panchanan Barma  
University (CBPBU)



Dr. Basudeb Bhatta  
Co-founder and CEO, GeoTeck  
(Spatem GeoTeck Pvt. Ltd.)  
Formerly at Centre for Advanced  
Studies (CAD), Jadavpur University



Dr. Priyank Pravin Patel  
Assistant Professor, Dept. of Geography  
Presidency University (PU)



Dr. Snehasish Saha  
Associate Professor, Dept. of Geography &  
Applied Geography  
University of North Bengal (NBU)



Dr. Jayanta Das  
Assistant Professor, Dept. of Geography  
Rampurhat College



Dr. Indrajit Roy Chowdhury  
Assistant Professor, Dept. of Geography  
& Applied Geography  
University of North Bengal (NBU)



Sri Suvam Das, Geotechnical Engineering  
& Geo-Hazards (GEGH) Group, CSIR-  
Central Building Research Institute,  
Roorkee



Sri Rahul Chakraborty  
Director, Integrated Institute for  
Advanced Research and Information  
(IIARI)



Dr. Apurba Sarkar, Research Scholar,  
University of Gour Banga

# Topics to be covered

<b>Speaker</b>	<b>Topics</b>
Prof. Dr. Anjan Chakrabarti	Research Methodology: A Changing Perception
Prof. Dr. Ranjan Roy	The Nature of Modern Research & Trends
Dr. Bijoy Debnath	Nature of Data and its uses in Research
Dr. Nazrul Islam	Application of Google Earth Engine and Python in Research Domain
Sri Rahul Chakraborty	Geospatial Technology in Research
Dr. Snehasish Saha	Field-Based Tools in Hydrology & Sediment Analysis
Dr. Indrajit Roy Chowdhury	Inferential Statistics and its application in Research
Dr. Apurba Sarkar	Raster Based Geo-Processing in Arc-GIS Pro and Google Co-Lab
Mr. Suvam Das	Geospatial Technologies for Landslides: Applications & Appraisals
Dr. Debarshi Ghosh, Abdul Momin Hoque, Sanjay Mandal, Dipankar Das	Nature of Models in Research & Data visualization in advanced platforms
Dr. Priyank Pravin Patel	Use of Digital Elevation Models & Machine Learning in Research
Dr. Basudeb Bhatta	Field Demonstration on Drone Mapping & Drone-Based Image Processing & Models
Prof. Dr. Ramkrishna Maiti	Tools & Techniques in Quantitative Research Methodology
Dr. Jayanta Das	Rainfall Data Analysis & Data Products in Modern Research

## About the Workshop

This seven-day workshop will bring together experts from academia and industry to offer lectures and hands-on sessions in the latest research tools and techniques. The workshop will cover a wide range of topics including modern research trends, geospatial technology, field-based tools, and advanced data analysis methods, providing participants with the opportunity to engage in practical learning and field demonstrations.

## Course Objective

The objective of this workshop is to provide participants with an in-depth understanding of advanced research methodologies and geospatial technologies. It aims to equip researchers and professionals with practical knowledge in areas such as inferential statistics, GIS applications, remote sensing, digital elevation models, and drone mapping, enhancing their skills for cutting-edge research in geography and allied fields.

## Eligibility

All registered Faculty members, Post-Doctoral Fellows, Research Scholars and Students (UG & PG) from recognized Indian universities, research institutes and colleges in **any branch of Social Sciences** are eligible to apply for this Research Methodology Workshop organized by Dhupguri Girls' College.

## Application Procedures

Interested candidates should apply to the Course Coordinator with the following documents:

- Duly filled Google form.
- Forwarding letter from the Head of the Institution or Supervisor (For Scholars and faculty members).
- Submit the application (via Google Form) **by 25th October, 2024**. The registration form link is included in the brochure and can also be accessed on the college website: [www.dhupgurigirlscollege.ac.in](http://www.dhupgurigirlscollege.ac.in).

First Come  
& First  
Serve Basis

## Registration Fee

**There are no registration fees to attend the workshop.**

## Accommodation & Hospitality:

60  
Seats Only

Accommodation and hospitality will be provided based on the participant's interest. Please contact the following numbers after receiving confirmation:

**Contact: 9851102500, 9641680671, 9933189567**

## *Patron*

Dr. Bijoy Debnath  
Principal, Dhupguri Girls'  
College

## *Co-Patron*

Sri Anil Chakraborty  
President  
Governing Body

## *Convenor*

Dr. Debarshi Ghosh  
Asst. Professor, HoD, Dept.  
of Geography

## *Organizing Secretary*

Mr. Abdul Momin Hoque  
Asst. Professor, Dept. of  
Geography

## *Treasurer*

Mr. Chandan Barman  
Asst. Professor, Bursar

## *MEMBERS OF ORGANIZING COMMITTEE*

Designation	Name	Affiliation
Member	Dr. Debarati Dutta	IQAC Coordinator, Dhupguri Girls' College
Member	Dr. Nirmal Ch. Roy	Associate Professor, Dept. of History
Member	Dr. Keya Mustafi	Asst. Professor, Dept. of Bengali
Member	Smt. Jyotikana Barman	Asst. Professor, Dept. of Bengali
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Member	Smt. Amina Parvin	Asst. Professor, Dept. of Political Science
Member	Mr. Suvankar Jana	Asst. Professor, Dept. of English
Member	Mr. Sanjoy Mandal	Research Scholar, Dept. of Geography
Member	Mr. Kalpanath Roy	Visiting Faculty, Dept. of Geography
Member	Smt. Sampa Roy	Visiting Faculty, Dept. of Geography
Member	Mr. Dipankar Das	Research Fellow, DSTBT, WB
Member	Mr. Bhabani Roy	Acting Accountant
Member	Smt. Anjula Goswami	Clerk

# ADVISORY COMMITTEE

Name	Designation	Affiliation
Dr. Bijoy Debnath	Principal	Dhupguri Girls' College
Mr. Anil Chakraborty	President, Governing Body	Dhupguri Girls' College
Prof. Anjan Chakrabarti	Director	Malaviya Mission Teacher Training Centre (MMTTC), Formerly UGC-Human Resource Development Centre, University of North Bengal
Dr. Sanjib Bhattacharya	Deputy Director	Malaviya Mission Teacher Training Centre (MMTTC), Formerly UGC-Human Resource Development Centre, University of North Bengal
Dr. Mossaraf Hossain	Assistant Director	Malaviya Mission Teacher Training Centre (MMTTC), Formerly UGC-Human Resource Development Centre, University of North Bengal
Mr. Ranjit Kar	Member, Governing Body	Dhupguri Girls' College
Mr. Tapash Kr. Sarkar	Member, Governing Body	Dhupguri Girls' College
Mr. Ratan Chakraborty	Member, Governing Body	Dhupguri Girls' College
Dr. Mithun Dutta	Member, Governing Body	Dhupguri Girls' College
Smt. Jaya Kepchaki	Member, Governing Body	Dhupguri Girls' College
Mr. Rahul Chakraborty	Director	IIARI, Kolkata
Prof. Deepak Kumar Mandal	HoD, Dept. of Geography & Applied Geography	University of North Bengal
Prof. Ranjan Roy	Professor, Dept. of Geography & Applied Geography	University of North Bengal
Prof. Shasanka Kumar Gayen	HoD, Dept. of Geography	Cooch Behar Panchanan Barma University
Dr. Nazrul Islam	Associate Professor, Dept. of Geography	Cooch Behar Panchanan Barma University
Dr. Snehasish Saha	Associate Professor, Dept. of Geography & Applied Geography	University of North Bengal
Dr. Arindam Basak	Associate Professor, Dept. of Geography & Applied Geography	University of North Bengal
Dr. Indrajit Roy Chowdhury	Assistant Professor, Dept. of Geography & Applied Geography	University of North Bengal
Mr. Pranoy Dey	HoD, Dept. of Geography	Birpara College
Smt. Charol Christine Lepcha	HoD, Dept. of Geography	Sukanta Mahavidyalaya



# Important Dates

Steps	Dates
Last Date for receiving the application	25/10/2024 (Up to 12:00 Midnight)
Confirmation to participants about their participation	30/10/2024
Participants have to inform their needs regarding hospitality	03/11/2024 (Up to Midnight)
Workshop Duration	18/11/2024 to 24/11/2024

## Contact Address

**Dr. Debarshi Ghosh**

Assistant Professor, Convenor

Mob. 9641680671 (Whatsapp)

Email: [debarshi90dgc@gmail.com](mailto:debarshi90dgc@gmail.com)

**Mr. Abdul Momin Hoque**

Assistant Professor, Organising Secretary

Mob. 9933189567 (Whatsapp)

