

**TWO-DAY LONG NATIONAL SEMINAR
&
WORKSHOP**

(Candidate can participate in either or both the Programmes)

Organized by

Department of Education

In Collaboration with IQAC, Rabindra Bharati University

DATES: 11th & 12th MARCH, 2025

**Seminar: Changing Scenario of Research Methodology in Education at the UG level in the Context of National Policy of Education
&
Workshop: Introduction to R Script for Educational Data Analysis.**

About the University

The Rabindra Bharati University was established in 1962 to mark the birth centenary of the legendary poet Rabindranath Tagore, who was the first Indian as well as Asian recipient of the Nobel Prize for Literature. It is a State University named after Tagore dedicated to the mission of disseminating his thoughts and ideas through humanities, social sciences, art and culture. The Rabindra Bharati University thus features uniqueness in projecting itself as a centre for higher learning in performing arts, fine arts, language, literature and social sciences. There are three major faculties Arts, Fine Arts and Visual Arts, housed in the Emerald Bower Campus while the original campus Jorasanko, now houses a museum, and hosts a number of events like Tagore's birth and death anniversaries, or the annual University Convocation, to name just a few. Many renowned actors like Sisir Bhaduri, Ahindra Chaudhuri, Shambu Mitra, Kumar Ray, Manoj Mitra, Jogesh Chowdhury, famous singers like Suchitra Mitra, Sumitra Sen, Maya Sen, painters like Shanu Lahiri, Dharmanarayan Dasgupta, well-known musicians like Sisirkana Dhar Chowdhury, Timir Baran, Pandit Swapan Chowdhury, reputed art historians like Shovan Som have contributed their mites to its overall academic endeavours down these decades. Over the years, keeping in pace with contemporary times, the University, without losing sight of its basic identity, has ventured into new academic pastures by introducing courses in Geography, Human Rights and Human Development, Sociology, Environmental Studies and Mathematics. As a centre for higher learning the Rabindra Bharati University has been offering a variety of other courses to cater to the demands of the emerging academics-market interface for instance, foreign language courses are offered by the School of Languages and Culture. The University also fulfils its social responsibility by offering successful courses in Adult Education, Computer Literacy as well as a course in Special Education for the differently-able, particularly for the visually impaired.

About the Department

The Department of Education started its journey in 1985 with courses offered such as B.Ed., MA, M.Phil., PhD and D.Litt.; though at present the department runs with MA, PhD and D.Litt. programmes. The primary objective of the department is to impart pupils quality education with the vibrant faculties. Apart from teaching-learning process, various extension activities such as workshops, seminars, lecture series, special lectures, extension lectures, discussions etc are integral parts of the department. The department works for students in motivating, encouraging, inspiring, guiding, counselling in evaluation, research, development, employment and so on...

Registration Link: <https://forms.gle/VGa2sEvNKrw5RGHn6>

Last Date of Registration: 10th March, 2025

Venue

"Kabi Janani Sarada Sabha Kaksha" (Beside the Department of Education), 2nd floor, Composite Building,
Emerald Bower Campus, Rabindra Bharati University.
56A, B.T. Road, Kolkata-700 050, West Bengal

About the Seminar

When considering research methodology in the context of NEP 2020 at the undergraduate (UG) level, the key focus is on promoting a culture of active research across disciplines, encouraging interdisciplinary approaches, utilizing diverse methods like qualitative and quantitative research, and prioritizing practical, real-world applications with a strong emphasis on critical thinking, creativity, and problem-solving skills, all while aligning with the policy's focus on holistic development and inclusive education.

Seminar Objectives

- To encourage holistic approach
- To promote inquiry-based learning
- To incorporate experiential learning
- To emphasize critical thinking and analysis
- To incorporate ethical considerations
- To imbibe qualitative research, quantitative research, mixed methods research
- To formulate research questions
- To select appropriate data collection methods
- To Utilize appropriate analytical techniques
- To know lack of research infrastructure, teacher capacity building, assessment challenges and so on...

Theme of the Seminar

Changing Scenario of Research Methodology in Education at the UG level in the context of National Policy of Education 2020.

Sub-Theme of the Seminar (Not Limited To):

- Integration of research and UG education
- Inter-disciplinary and multi-disciplinary research approaches
- Role of faculties in fostering research culture
- Emphasis on research in the NEP 2020 framework
- Benefits of introducing research methodology at the UG level
- Developing critical thinking and problem-solving skills among undergraduates
- Promoting cross- disciplinary research in line with NEP 2020's focus
- Examples of successful interdisciplinary projects
- Building a supportive environment for student led research
- Faculty development for mentoring undergraduate research
- Strategies for elaborative research
- Building a supportive environment for student led research

Programme Schedule

Registration: 9:00 AM - 10:00AM

Inaugural Session: 10:00 AM - 10:30 AM

Welcome address: Professor Bharati Banerjee, HOD, Department of Education, Rabindra Bharati University

Address by the Hon'ble Vice Chancellor of Rabindra Bharati University, Justice Subhro Kamal Mukherjee.

Address by the Hon'ble Dean, Faculty of Arts, Professor Susnata Das, Rabindra Bharati University.

10:30 AM - 11:30 AM

Keynotes Address: Professor B.N. Panda. Former Professor in Education, Regional Institute of Education Bhubaneswar, Odisha.

Vote of thanks: Dr Jonaki Bhattacharya, Assistant Professor, Department of Education, RBU.

Academic Session-I: 11:30 AM- 12:00 PM

Theme: Integration of Research and UG education

Chairperson: Professor Subrata Saha. Department of Education, Rabindra Bharati University.

11:30 AM - 12:00 PM

Invited Speaker: Professor Amitesh Mukhopadhyay. Department of Sociology, Jadavpur University.

12:00 PM-12:30 PM

Invited Speaker: Professor Runa Biswas. Principal Sivanath Sastri College Kolkata

Interactive Session: 12:30 PM-12:45 PM

Academic Session-II: 12:45 PM-1:45 PM

Theme: Inter-disciplinary and Multi-disciplinary Research Approaches.

Chairperson: Professor Ranjana Mukhopadhyay. Former Professor, Department of Philosophy, Rabindra Bharati University.

Invited Speaker: Professor Sonali De. Professor, Department of Psychology, Calcutta University.

1:15 PM-1:45 PM

Invited Speaker: Professor Debasri Banerjee. Professor, Department of Education, Calcutta University.

Interactive Session: 1:45 PM- 2:00 PM

Lunch Break: 2:00 PM-2:30 PM

Academic Session-III

2:30 PM -3:30 PM

Theme: Role of Faculties in Fostering Research Culture

Chairperson: Professor Debjani Sengupta. Former Professor, Department of Education, Calcutta University.

Invited Speaker: Professor Bijan Sakar. Professor, Department of Education, Kalyani University.

3:00 PM-3:30 PM

Invited Speaker: Lakshminarayan Satapati. Professor of Geography & Director, UGC-HRDC, University of Calcutta

Interactive Session: 3:30 PM-3:45PM

3:45 PM- 4:45 PM

Technical Session - Paper presentation

Valedictory session: 4:45 PM -5:30 PM

Vote of Thanks: Sri Jhantu Chik Baraik. Assistant Professor. Department of Education, Rabindra Bharati University.

Distribution of Participation Certificate : Dr. Sunil Kumar Baskey. Assistant Professor, Department of Education, Rabindra Bharati University.

Theme of the Workshop

Introduction to R Script for Data Analysis in Research

Workshop Duration: 4 Hours

Target Audience: Educators, Psychology & Education Researchers, Graduate Students

Learning Objectives:

At the end of this workshop, participants will be able to:

1. Understand the basics of R and its interface.
2. Write and execute basic R scripts for educational data analysis.
3. Perform descriptive and basic inferential statistical analysis in R.
4. Visualize data effectively using R packages.

Session Breakdown

 **Hour 1: Introduction to R & Data Handling (60 min)**

➤ (10 min) Icebreaker & Introduction

- Participants introduce themselves and their experience with statistics.
- Brief overview of R and its advantages for educational research.

➤ **(15 min) Setting Up RStudio & Basic Commands**

- Installing R and RStudio.
- Understanding the interface: Console, Script Editor, Environment, and Plots.
- Running basic arithmetic and object assignments (<-).

➤ **(20 min) Importing and Managing Educational Data**

- Loading CSV, Excel files using read.csv() and readxl package.
- Viewing data: head(), str(), summary().
- Handling missing values using na.omit() and is.na().

➤ **(15 min) Hands-on Exercise**

- Participants import a sample educational dataset (e.g., student scores, attendance).

👉 **Hour 2: Basic Statistical Analysis (60 min)**

➤ **(15 min) Descriptive Statistics for Educational Research***

- Mean, median, mode: mean(), median(), table().
- Standard deviation and variance: sd(), var().
- Frequency tables for categorical data: table(), prop.table().

➤ **(20 min) Data Visualization**

- Creating bar charts, histograms, and boxplots using ggplot2.
- Example: Visualizing student performance trends.
- Customizing plots (titles, colors, themes).

➤ **(15 min) Basic Inferential Statistics**

- Correlation analysis using cor().
- Simple t-test: t.test().
- Introduction to chi-square test for categorical data.

➤ **(10 min) Hands-on Exercise**

Participants calculate summary statistics and create a basic visualization.

👉 **Hour 3: Lunch Break**

👉 **Hour 4: Applied Educational Data Analysis & Q&A (60 min)**

➤ **(20 min) Exploring Relationships in Educational Data**

- Conducting regression analysis (lm()) to predict student performance.
- Interpretation of regression coefficients.
- Simple ANOVA using aov().

➤ **(15 min) Practical Case Study**

- Participants analyze real-world educational data.
- Group discussion on findings.

➤ **(15 min) Best Practices & Resources for Further Learning**

- R documentation, cheat sheets, and online learning resources.
- Tips for using R in academic research and reports.

➤ **(10 min) Open Q&A & Feedback**

Workshop Resources:

- Preloaded educational dataset.
- R script with commented code for all analyses.
- Recommended reading list & video tutorials.



Prof. Susnata Das,
Dean, Faculty of Arts,
Rabindra Bharati University



Justice Subhro Kamal Mukherjee
Honourable Vice Chancellor,
Rabindra Bharati University



Prof. Bharati Banerjee,
HOD, Dept. of Education,
Rabindra Bharati University

Eminent Resource Persons



Chairperson
Prof. Ranjana Mukhopadhyay
Retd. Prof., Dept. of Philosophy,
Rabindra Bharati University



Keynotes Speaker
Prof. B.N. Panda.
Former Professor in Education,
RIE Bhubaneswar



Chairperson
Prof. Subrata Saha
Department of Education,
Rabindra Bharati University



Speaker
Prof. Amitesh Mukhopadhyay
Department of Sociology,
Jadavpur University



Speaker
Prof. Runa Biswas
Principal,
Sivanath Sastri College



Speaker
Prof. Sonali De
Department of Psychology,
Calcutta University



Speaker
Prof. Lakshminarayan Satapati.
Director, UGC-HRDC,
University of Calcutta



Speaker
Prof. Debasri Banerjee
Department of Education,
Calcutta University



Speaker
Professor Bijan Sakar. Professor,
Department of Education,
Kalyani University

Call for Papers

We invite original unpublished research papers, case studies and reviews from academia, students, research scholars, faculty members and experts to present their papers in the Seminar on the above-mentioned areas.

The contributors are requested to adhere to the following format:

Paper submitted must be original, previously unpublished and not under consideration for publication elsewhere. Text(s) should be in Times New Roman font and size is 12-point, line spacing 1.5. References should be given at the end of the paper. The seminar proceedings language should be English Only. Selection will be made purely on the quality of the article/papers by the Peer-Review Committee.

Abstract should be between 250 – 300 words in on page with five key words maximum, within the midnight of **6th March, 2025**. Full length paper and abstract should be submitted in latest **APA format**. The length of the full paper along with abstract has to be **within 3000 words or 8 pages maximum**. The abstract should be sent by **email** to educationrabindrabharatiuniver@gmail.com in **MS-WORD (.docx)** format only on or before **6th March, 2025**. And the full paper should be sent by above e-mail on or before **9th March, 2025**. After the seminar, each of the authors whose papers will be selected by the review committee must receive at least one copy (multiple copies are allowed), the price of which will be announced at the time of publication.

Abstract & Full Paper Submit: educationrabindrabharatiuniver@gmail.com

Registration Fees Details (Seminar & Workshop)

Academia	Fees for Seminar(₹)	Fees for Workshop(₹)
Faculty Member	800/	800/
Research Scholar	500/	500/
Student	300/	300/

Important Dates

Abstract Submission Last Date	6 th March, 2025
Acceptance of Abstract	7 th March 2025
Full Length Paper Submission Last Date	9 th March 2025
Online registration with Payment close	10 th March 2025

Payment Details

Account Number	1792010015996
Name of the Bank	Punjab National Bank
IFS Code	PUNB0179220

Scan & Pay Using PhonePe App



➤ **Registration Link:** <https://forms.gle/VGa2sEvNKrw5RGHn6>

➤ **Contact for any Query:** Jhantu Chik Baraik
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