# ICSSR SPONSORED TWO-DAY NATIONAL LEVEL SEMINAR

## ON

## AI AND RELATED TECHNOLOGIES IN EDUCATION : CUTTING EDGE ISSUES

**ORGANISED BY**

DEPARTMENT OF EDUCATION
BANKURA UNIVERSITY

**Paper Presentation Mode**

**Hybrid Mode**

Offline

Online

Date: 25th & 26th March, 2025 [ Tuesday & Wednesday ]

**Time:** 10:30 A.M. to 5:30 P.M.
**Venue:** Department of Education, Bankura University, Beside NH-60, Bankura Block-II, Purandarpur, Bankura, West Bengal, Pin-722155

# Chief Patron
**Prof. (Dr.) Rup Kumar Barman**
**Hon'ble Vice Chancellor**
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# RESOURCE PERSONS

## Keynote Speaker
### Prof. (Dr.) Marmar Mukhopadhyay

Director, Educational Technology and Management Academy, New Delhi; Chairman, National Open School; Vice President, INT. Council of Distance Edu. (ICDE) Previously, he was Joint Director, and Director(i/c) of National Institute of Educational Planning and Administration (NIEPA)

### Prof. (Dr.) Mita Banerjee
Former Vice Chancellor,
Kanyashree University, Nadia,
West Bengal, India

### Prof. (Dr.) Tarak Nath Pan
Professor (Retd.),
Department of Education,
Vidya -Bhavana, Visva-Bharati,
Santiniketan, West Bengal, India

### Prof. (Dr.) Khagendranath Chattopadhyay
Professor & Head,
Department of Education,
The University of Burdwan, West Bengal, India

### Prof. (Dr.) Bijan Sarkar
Professor,
Department of Education,
University of Kalyani, Kalyani, West Bengal, India

### Dr. Ajit Mandal
Assistant Professor
Department of Education,
West Bengal State University,
West Bengal, India

### Dr. Mrinal Mukherjee
Assistant Professor
Department of Teacher Education,
Baba Saheb Ambedkar Education University, Kolkata,
West Bengal, India

# Organizing Secretary

### Dr. Lutful Haque
Assistant Professor & Teacher-in-Charge,
Department of Education,
Bankura University

### Dr. Partha Ghosh
Assistant Professor, Department
of Education, Bankura University

## Steering Committee

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Assistant Professor & Teacher-in-Charge,
Department of Education,
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### &

### Dr. Partha Ghosh
Assistant Professor, Department
of Education, Bankura University

## Treasurer

### Dr. Partha Ghosh
Assistant Professor,
Department of Education,
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## Different Sub-Committees

### Paper Screening Sub-Committee

### Dr. Lutful Haque
Assistant Professor & Teacher-in-Charge, Department of Education,
Bankura University

## Paper Presentation Sub-Committee

Dr. Lutful Haque
Assistant Professor & Teacher-in-Charge, Department of Education, Bankura University
**&**
Dr. Partha Ghosh
Assistant Professor, Department of Education, Bankura University

## Publication Sub-Committee

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**&**
Dr. Partha Ghosh
Assistant Professor, Department of Education, Bankura University

## Reception Sub-Committee

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Assistant Professor, Department of Education, Bankura University
**&**
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Ms. Asmita Rakshit, 4th SEM
Mr. Subrata Dey, 4th SEM
Ms. Jayoshree Chattopadhyay, 2nd SEM
Ms. Suparna Pal, 2nd SEM
Mr. Rahul Paul, 2nd SEM
Ms. Tuhina Khatun, 2nd SEM
Ms. Payel Kar, 2nd SEM
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Mr. Bapi Majhi, Ex-Student
Mr. Soumen Roy, Ex-Student

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Assistant Professor, Department of Education, Bankura University
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Mr. Chanchal Ghosh, 4th SEM
Ms. Mita Maji, 4th SEM
Mr. Dipayan Satvaya, 2nd SEM
Mr. Rahul Singha Mahapatra, 2nd SEM
Mr. Durlabh Ghosh, Ex-Student
Ms. Trisha Dey, Ex-Student
Mr. Atanu Kalindi, Ex-Student

## Certificate Sub-Committee

Dr. Lutful Haque
Assistant Professor & Teacher-in-Charge, Department of Education, Bankura University
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Mr. Bapi Majhi-9382277195
Mr. Soumen Roy-9563971797

## Refreshment Sub-Committee

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Assistant Professor, Department of Education, Bankura University
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Mr. Durlabh Ghosh, Ex-Student
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Mr. Rajib Saren, 2nd SEM
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Assistant Professor & Teacher-in-Charge, Department of Education, Bankura University
**&**
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Mr. Sumanta Chakraborty, Ex-Student
Mr. Atanu Kalindi, Ex-Student
Mr. Akash Chandra, 4th SEM
Mr. Haru Roy, Ex-Student

**For Any Queries, Please Contact**

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# About the Bankura University

The Hon'ble Chief Minister Ms. Mamata Banerjee gave a concrete shape to the long-cherished dream of the people of Bankura by establishing Bankura University. Bankura University was established by the West Bengal Act XIX of 2013 and the assent of the Governor was first published in the Kolkata Gazette, Extraordinary, of 6th January, 2014. Bankura University is committed to the dedicated task of disseminating higher level of learning in this region and it promises to move into a glorious future by promoting the study of indigenous folk and cultural tradition as also by a sustainable rural and tribal development. Bankura, historically known as Mallabhum, can truly boast of a rich heritage of traditional cultural excellence. It is evident in its traditional Dokra art, the intellectual and artistic triumphs of the 18thcentury mathematician Subhankar (the well-known Subhankari Arya), the temple town of Bishnupur and the artistic contributions of Jamini Roy and Ramkinkar Bej. This university will sustain and strengthen a unique dissemination of knowledge systems in language, literature, cultural studies, social sciences and multiple branches of the study of science. Now, it comprises of four campuses at Purandarpur, Puabagan, Mithila and Chhandar in Bankura district. Bankura University is recognised under Section 2(f) & 12(B) of the UGC Act, 1956 & "B" in NAAC accreditation.

# About the Education Department

The Department of Education, Bankura University offers an excellent academic environment to the Students & the Scholars to foster their talent and promote their intellectual properties in the field of Education. It aims to furnish best quality education to students in order to compete or adjust her or himself in the competitive market as well as it ensure the development of the peace of mind & tries to shape the human values in the mind of the students.

The aims of the Department of Education, Bankura University is to acquainted their students & scholars with the theories, practices and the applications of the different areas of Education. This department offers two different courses i.e., MA in Education & Ph. D. in Education. Allotted seats of MA in Education are 50 where 24 seats are for Ph. D. scholars. Already 9 batches of students have completed MA in Education where 7 Scholars have successfully completed their Ph.D. from this department and 22 more scholars are pursuing. The Scholars of this department working in the field of Psychology, Educational Research, Mental Health & Hygiene, Teacher Education, Special Education, Guidance And Counselling, Inclusive Education etc. The department offers Dissertation to the students of MA in Education as a *hands-on experience* on Educational Research.

The Department of Education had already conducted International Seminar, Webinar, Workshop, Special Lectures in the different issues of the education and society.

The Department has five competent faculty members who are dedicated enough in their assigned works.

# About the Seminar

Artificial Intelligence and related technologies such as machine learning, Natural Language Processing (NLP), and data analytics are rapidly transforming the landscape of education. From adaptive learning systems and AI-powered tutoring to administrative automation and virtual classrooms, these technologies offer unprecedented opportunities to enhance teaching and learning. However, their integration also raises critical challenges, including ethical concerns, access disparities, data privacy, and the evolving role of educators.

**Purpose and objectives:** The purpose of this seminar is to highlight the critical issues associated with the adoption of AI and related technologies in education and to identify strategies to address these challenges. Specific objectives include: (1) Identifying the potential benefits and challenges of integrating AI into educational systems. (2) Exploring ethical, social and technical concerns related to AI in Education. (3) Proposing actionable recommendations for equitable and responsible adoption of AI in education.

*Key cutting-edge issues:*

**Personalization vs Standardization**: AI system can tailor personalize learning pathways to suit individual students' needs and pace. However, questions arise regarding the balance between personalization and maintaining standardized education systems. **Ethical concerns**: AI in education raises ethical issues such as biases in algorithms, decision-making transparency, and the potential marginalization of underrepresented groups. **Access and Equity**: The digital divide creates significant disparities in access to AI-powered educational tools, particularly for students in low-resource settings or rural areas. **Data privacy and security**: AI systems often rely on vast amounts of student data, raising concerns about privacy, data ownership, and cyber security risks. **Teacher roles and training**: The increasing use of AI reshapes the role of teachers, requiring new skillsets for managing AI-driven tools. This necessitates ongoing professional development and support. **Dependence on technology**: Over-reliance on AI may diminish the instinctive human abilities, critical thinking and problem-solving ability among students, as well as human-to-human interaction in the learning process. **Cultural sensitivity**: AI-driven content and curricula may inadvertently promote homogenization, overlooking local contexts, languages, and traditions. **Assessment and Accountability**: The use of AI in automated grading and assessments raises questions about fairness, accuracy and the accountability of AI systems.

*Proposed Areas for Research and Intervention:*

**Development of Culturally Sensitive AI systems:** Designing AI tools that reflect local languages, values, and contexts to ensure inclusivity. **Policies for Ethical AI Use**: It is required to set a clear guideline for data privacy, algorithmic transparency, and equity in AI-driven education systems. **Teacher Training Programs**: Developing capacity-building initiatives to prepare educators for integrating and supervising AI technologies in classrooms. **Bridging the Digital Divide**: Implementing policies to reduce the digital divide across socio-economic and geographical divides so that almost all of them can have an equal access to AI technologies in Education. **Evaluating AI Effectiveness**: Need to adopt longitudinal studies to measure the impact of AI on learning outcomes, student engagement, and teacher workload. **Balancing AI and Human Interaction**: Exploring hybrid models that integrate AI technologies while maintaining meaningful human interaction in education.

*Expected outcomes:*

1. Establish awareness of the challenges and opportunities of AI in education. 2. Actionable strategies for ethical and equitable integration of AI technologies. 3. Insights for future policy development and research in AI-driven education. 4. AI and related technologies have the potential to revolutionize education by enhancing personalization, efficiency, and accessibility. However, addressing the associated challenges requires a multi-stakeholder approach involving educators, policymakers, technologists, and researchers. By focusing on equitable access, cultural relevance, and ethical implementation, we can harness AI's potential while mitigating its risk.

# Main Theme- AI AND RELATED TECHNOLOGIES IN EDUCATION : CUTTING EDGE ISSUES

## Sub Themes

1) Exploring the AI Revolution in Education
2) Unmasking the hidden potential of AI in Education
3) Defining the role of AI in transforming future educational methodologies
4) Addressing the infrastructure and resources needed for AI integration in education, including digital tools and platforms
5) AI to cope up contemporary learning and education 4.0 taxonomy
6) Educational administration and management of schools, teacher education institutions in India using AI supported big data analytics
7) Personalized learning experiences through AI
8) AI-driven learning management systems: Enhancing classroom engagement and efficiency
9) The role of AI in shaping modern classroom learning environments
10) The power and potential of AI-driven tools in personalizing education to meet individual students needs
11) The role of AI supporting students' personalized learning journeys and holistic development
12) Entertainment in education through AI
13) Adaptive learning platforms : enhancing students' outcomes through AI in classroom settings
14) AI and Social-cultural parameters
15) AI in social media : Shaping social-cultural narratives and influences

## Sub Themes

16) AI in urban vs rural social-cultural contexts; A comparative study
17) The role of AI in enhancing socio-cultural, inclusion for marginalized groups
18) Cultural impacts of AI in English language learning : A socio-cultural perspectives
19) AI Ethics and Education
20) Navigating the ethical landscape of AI in education, ensuring data privacy and fairness

***Any other Relevant Topic Related to Main Theme...........

## Call for Papers / Articles

Paper proposal in the form of Abstracts and Full Papers (with keywords not more than 5 ) are invited on the above sub-themes and the main theme of the seminar. An abstract (Not exceeding 300 words) and the full paper (not exceeding 5000 words) should be submitted either in English (Times New Roman, 12 Font size), Bengali (Kalpurush, 12 font size) or in Hindi (Mangal or Krutidev 010, 12 Font Size). The abstract as well as full length paper should be Submitted Electronically through Following  Google Form : https://forms.gle/VzARSJdGzfxLxxs58

*Selected papers from this National Seminar will be published with ISBN or Journal with ISSN.

** Best Paper/Paper presenter of each groups will be rewarded.

Your Paper may Contain the Following Information :

❑ Title of the paper
❑ Name of Author (s)
❑ Affiliation Details
❑ Complete Address with Pin Code
❑ Email Id & Mobile Number

| Deadline for Abstract Submission & Registration | Intimation on Selection of Your Abstract |
|---|---|
| 20/03/2025 | 22/03/2025 |

## REGISTRATION FEES

| Participants only | Student Presenters | Independent Researchers | Research Scholars | Faculty Members |
|---|---|---|---|---|
| 300 | 400 | 600 | 600 | 800 |

**If Your Abstract is Rejected, Payment will be Refunded**

**Online Registration Link for "Participants only"**

https://forms.gle/AsK54GJ3qSDxTyPf9

**Online Registration Link for Paper Presenter(s) only**

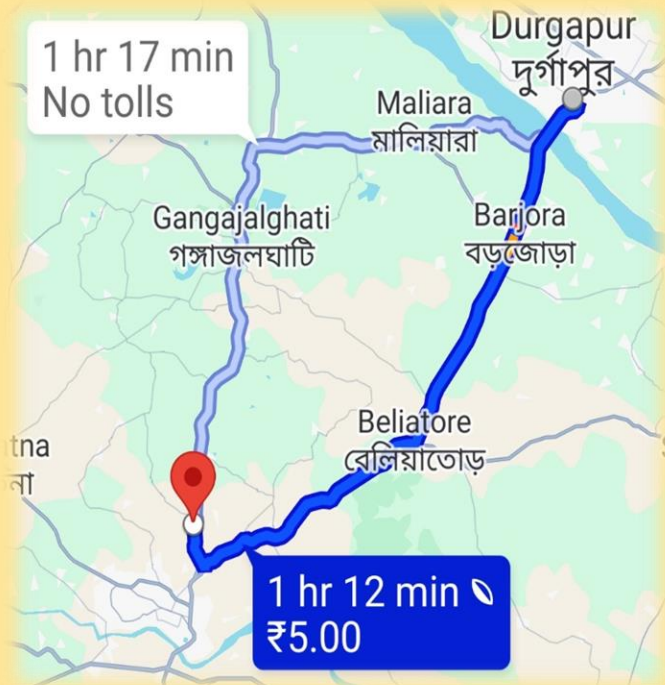**https://forms.gle/VzARSJdGzfxLxxs58**

## Accommodation and Travel

The outstation participants (excluding the candidates who are staying/living within 60 KM from the Bankura University) may apply for accommodation. Allotment of rooms will depend on availability and will be done on First Come First serve basis. (Only Food & Lodging will be given i.e., No TA/DA will be given)
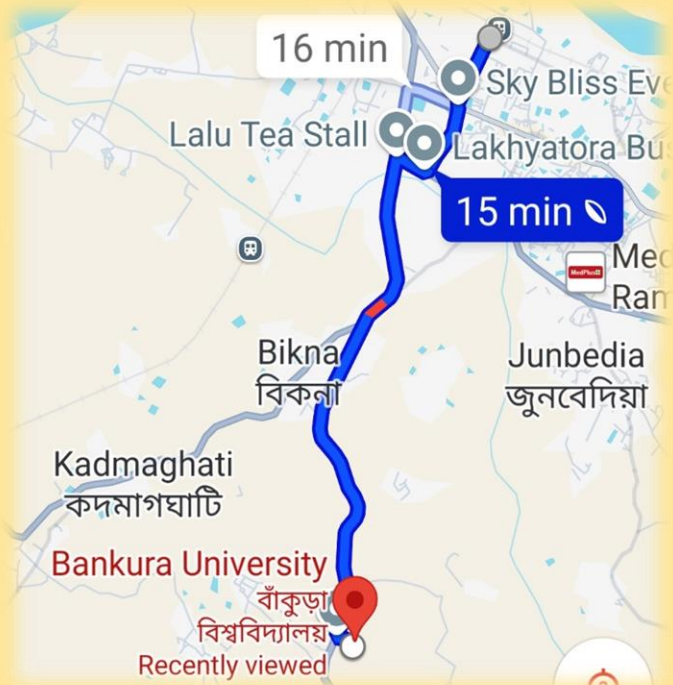
**Mail Us : icssrbkuedn2025@gmail.com**

# Route Map to Bankura University
## (Please click on the image)



**Durgapur to Bankura University (Main Camus) 43 KM, 1hr 12 min Needed (Approx)**



**Bankura Station to Bankura University (Main Camus) 7 KM, 15 min Needed (Approx)**

## JOURNEY BY BUS
## TIME TABLE (Please click on the image or link)



https://drive.google.com/file/d/11uVYADXmlvC1ShRggu3K USkVOn-iX2PU/view?usp=drivesdk

# JOURNEY BY TRAIN
# TIME TABLE (TOWARDS BANKURA)

| Howrah | Santragachi | Shalimar | Kharagpur | Midnapore |
|---|---|---|---|---|
| 12.50 PM | 6.28 AM | 7.45 AM | 1.45 AM | 2.23 AM |
| 4.50 PM | | | 4.30 AM | 5.03 AM |
| 5.45 PM | | | 6.00 AM | 6.33 AM |
| 11.35 PM | | | 7.50 AM | 8.10 AM |
| | | | 8.35 AM | 8.26 AM |
| | | | 9.30 AM | 9.15 AM |
| | | | 2.00 PM | 10.03 AM |
| | | | | 11.40 AM |
| | | | | 2.33 PM |