

About the Institute

The National Council of Educational Research and Training (NCERT) was established in 1961 by the Ministry of Education, Government of India to prepare quality teachers in Science, Humanities, Commerce, Agriculture and Technology. Consequently, four Regional Colleges of Education at Ajmer, Bhopal, Bhubaneswar and Mysore were established as constituent units of NCERT. The Regional College of Education, Ajmer was set up in the year 1963. Later it was renamed as Regional Institute of Education (RIE), Ajmer in the year 1995. The North East Regional Institute of Education was also established at Shillong in 1995. RIE Nellore, has also started very recently. RIE, Ajmer looks after the educational interests of Northern Region comprising the States/UTs of Haryana, Himachal Pradesh, Punjab, Rajasthan, Uttarakhand, Uttar Pradesh, Delhi, Chandigarh, J&K and Ladakh.

This Institute with its spacious buildings, playgrounds, gardens, lawns and farm is spread over 110 acres. It is affiliated to the M.D.S. University, Ajmer. Its courses are recognized by the NCTE, New Delhi. The Institute has been accredited with 'A+' Grade by the NAAC in the year 2017-18, and also re-accredited with 'A+' Grade by the NAAC in the year 2023.

Location

Ajmer is well-known all over India as a historical and religious place of pilgrimage as well as an educational hub. It owes its reputation partly due to the Regional Institute of Education. The Institute is popularly known as Regional College of Education in the city. It is located on the periphery of the Anasagar Lake. On one side of it is Capt. D.P. Choudhary Marg and on the side is the Pushkar Road. The distance of the Institute from Ajmer Railway Station as well as from City Bus Stand is 6 km. Auto & Taxi are available from both the places. Ajmer city is well connected by train from major cities of the country.

About the seminar

We are delighted to welcome you to the National Seminar on "Transformative Pedagogy: Harnessing the Power of Artificial Intelligence." This seminar is a unique convergence of educators, policymakers, AI experts, and thought leaders dedicated to exploring and shaping the future of education through artificial intelligence.

Our primary aim is to delve into how AI can revolutionize educational methodologies, personalize student experiences, and enhance teaching and assessment practices. This seminar serves as a collaborative platform where knowledge is shared, partnerships are fostered, and future collaborations are encouraged to advance AI integration in education.

Over the course of this seminar, we will address the ethical considerations inherent in AI adoption and explore strategies to ensure inclusive and equitable education for all. We have curated a series of discussions, presentations, and case studies showcasing innovative approaches and successful implementations of AI in various educational settings.

We are confident that your valuable contributions will lead to a rich journey of discovery, offering actionable insights and strategies that

can be applied in your own educational contexts. Together, we will navigate the transformative potential of AI, ensuring it serves as a tool to enhance educational outcomes, and foster a more personalized and effective learning environment.

We look forward to your active participation and to the vibrant discussions that will undoubtedly emerge from this gathering. Let us embark on this exciting journey together.

Seminar Objectives

- Explore the transformative potential of AI in revolutionizing educational methodologies.
- Discuss the implementation of AI-driven tools to personalize learning experiences for students.
- Showcase successful case studies and innovative approaches integrating AI into various educational settings.
- Address the ethical considerations and challenges associated with AI adoption in education.
- Facilitate collaboration and knowledge sharing among educators, AI experts, policymakers, and stakeholders.
- Provide actionable insights and strategies for leveraging AI to enhance teaching, assessment, and educational outcomes.
- Foster a platform for networking, partnerships, and future collaborations in advancing AI in education.
- Document the findings and recommendations of the seminar.

Theme and Sub themes of the seminar

Theme 1: Exploring the AI Revolution in Education

- 1.1: Identifying the transformative potential of AI in education.
- 1.2: Understanding the role of AI in shaping future educational methodologies.
- 1.3: Utilizing AI to effectively integrate and adapt the curriculum as outlined in NCFES 2022, NCFSE 2023, in alignment with the goals of NEP2020.
- 1.4: Addressing the infrastructure and resources needed for AI integration in education, including digital tools and platforms.
- 1.5: Educational administration and management of schools, teacher education institutions in India using AI supported big data analytics.
- 1.5: AI to cope with contemporary learning and education 4.0 taxonomy.

Theme 2: Personalized Learning Experiences through AI

- 2.1: The power and potential of AI-driven tools in personalizing education to meet individual student needs.
- 2.2: Detailed case studies showcasing the successful implementation of personalized learning using AI across various educational settings.
- 2.3: Role of AI in supporting students' personalized learning journeys and holistic development.
- 2.4: Ensuring equitable access to AI tools and resources for all students and educators.
- 2.5: AI in edutainment.

Theme 3: AI Ethics and Education

- 3.1: Navigating the ethical landscape of AI in education, ensuring data privacy and fairness.

- 3.2: Dealing with the challenges and solutions associated with AI adoption in the classroom, focusing on ethical use.
- 3.3: Ensuring ethics and integrity in AI-driven educational practices, preventing bias and ensuring transparency.

Theme 4: Building Collaborative Bridges in AI Education

- 4.1: Facilitating dialogue and knowledge sharing among educators, AI experts, policymakers, and stakeholders.
- 4.2: Strategies for effective collaborations and partnership in advancing AI adoption in education.
- 4.3: Exploring AI tools for enhancing research in education, mathematics, sciences, and social sciences.

Theme 5: Leveraging AI for Enhanced Educational Outcomes

- 5.1: Innovative approaches to using AI in teaching-learning process and assessment, enhancing instructional methods.
- 5.2: Harnessing AI to improve student engagement, learning outcomes, and overall educational impact.
- 5.3: Intelligent tutoring systems and AI-powered learning analytics for improving student success.
- 5.4: Skills and competencies development of students at school education including pre-vocational, vocational, and generic education.
- 5.5: Teacher preparation at pre-service and in service continuous professional development (CPD) of teachers and head teachers using AI tools.

Theme 6: Future of AI in Education

- 6.1: Predicting trends and innovations in AI-driven education.
- 6.2: Practical future innovations in AI and their implementations in the educational landscape.
- 6.3: From automation to augmentation – AI's role in enhancing teachers' capacity and professional development.
- 6.4: Quality education and 21st-century skills and competencies supported by AI tools and methodologies.

Theme 7: Development of AI Strategies in Education

- 7.1: Development of strategies for competency-based learning (technologybased pedagogy) using AI, including adaptive learning technologies.
- 7.2: AI tools for classroom transactions, learning and teaching materials, and holistic development of learners.
- 7.3: Exploring AI's role in educational assessment and infrastructure needs, ensuring accurate and fair evaluations.
- 7.4: Strategies for scaling AI solutions in diverse educational settings, including rural and resource-constrained environments.
- 7.5: Teaching learning and assessment of students in the country – 26 Crore Students in 15 Lakh Schools.
- 7.6: Conducting research and development using AI tools.

Theme 8: Merits and Demerits of AI in Education

- 8.1: Analysing the benefits of AI in the educational field, including increased efficiency and personalized learning.
- 8.2: Addressing the potential drawbacks and challenges of AI in education, such as dependency, data privacy, and the digital divide.
- 8.3: Bridging classical and AI-based research methodologies to enhance educational practices and outcomes.

Theme 9: Inclusive and Equitable Education with AI

- 9.1: Inclusive education and addressing equity gaps with AI-driven education.
- 9.2: Strategies for ensuring inclusive and equitable AI-driven educational practices, catering to diverse learner needs.
- 9.3: Addressing the needs of diverse learners through AI solutions, ensuring quality and accessibility of education.
- 9.4: Equitable, accessible, and quality education to DIVYANG using AI.

Theme 10: Documentation and Dissemination of Knowledge

- 10.1: Systematic recording of findings, insights, and recommendations from the seminar using AI-driven tools for accuracy and comprehensiveness.
- 10.2: Strategies for disseminating seminar insights to a broader educational community, utilizing AI to ensure wider reach and accessibility.
- 10.3: Creating a repository of AI-driven educational resources and best practices for ongoing reference and use by educators and policymakers.

CALL FOR PAPERS

Original papers are invited from teachers, teacher educators, educationist, educational administrators, and researchers on the above-mentioned themes. Interested participants are requested to submit their full papers not exceeding 5000 words along with the abstract (not more than 500 words) on the given link. The abstracts and full papers must be typed in Word Format in Times New Roman 12-point font size and with 1.5 line spacing. The abstract or full paper should contain title, names of authors with complete address. The abstract must be written in a paragraph including importance, objectives, methodology, findings, conclusion and significance of their contribution in study, results and discussions/conclusions without subheadings, while the text of full papers must have subheadings viz., Introduction, Objective, Methodology, Results, Discussion, Conclusions, Acknowledgments and References (in APA style). Screening committee will shortlist the paper based on originality and quality of research under various sub themes and successful participants will be informed accordingly. Workshops / poster gallery based on above subthemes will also be organized along with paper presentation. Interested persons may send the details to organizing committee.

ACCOMMODATION AND TRAVEL DETAILS

For non-local paper presenter (only one), TA (III AC) depending upon the entitlement will be reimbursed after the submission of original tickets. Arrangement for accommodation will be made in our Guest House, if required by the participants. Certificates will be provided to the presenting author.

IMPORTANT DATES and LINK

Submission of Paper (Complete) – 30th December 2024

Acceptance notification – 15th January 2025

Link for registration and paper submission-

<https://tinyurl.com/nstp2025>



Organization of National Seminar (10-12, February 2025)

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Ms. Ambika Gahlot

Organising Secretary

Prof. P.K. Chaurasia

Seminar email: nstp-2025@rieajmer.ac.in

Phone numbers: 9868939552



National Seminar on Transformative Pedagogy: Harnessing the Power of Artificial Intelligence NSTP-2025

10-12 February, 2025



Organised by

क्षेत्रीय शिक्षा संस्थान

REGIONAL INSTITUTE OF EDUCATION

NAAC Accredited 'A+' Institute

(A Constituent unit of National Council of Education Research and Training,
MoE, Government of India New Delhi)

Captain D.P. Choudhary Marg, Ajmer-305004, Rajasthan.