

**GITARATTAN INSTITUTE OF ADVANCED
STUDIES AND TRAINING**



NATIONAL CONFERENCE

MAIN THEME

**RECENT INNOVATION OF ARTIFICIAL INTELLIGENCE IN
TEACHER EDUCATION: OPPORTUNITIES & CHALLENGES**

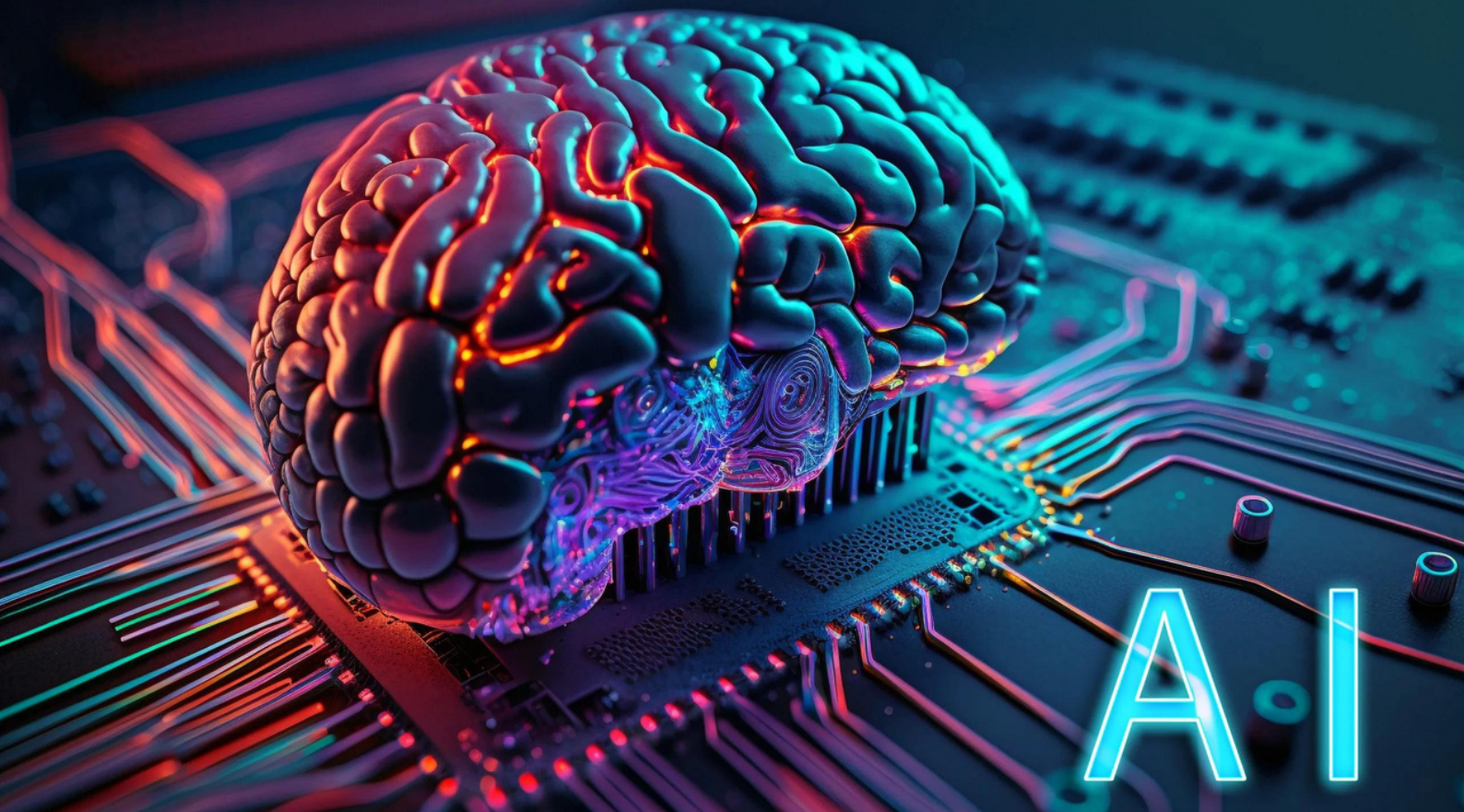
27/04/2024, SATURDAY

(HYBRID MODE)



Organised by:

GITARATTAN INSTITUTE OF ADVANCED STUDIES & TRAINING
(“NAAC Accredited, NCTE Recognized, GGSIPU Affiliated) Rohini, Delhi,
Ph. -011 -27052233/44, E-mail giastrcordinators@outlook.com



ABOUT GIAST

GIAST is the best women's Institute in Rohini, an affiliate of GGSIPU, Dwarka, NAAC accredited, NCTE recognised and a pioneer in Teacher Training which was set up under the aegis of Rohini Educational Society in 1999 with prime objective of nurturing every student – teacher as “responsible” Teacher. The institute is a venture of its own kind where educators and professionals have joined hands to aid direct the agenda of Education.

In today's highly competitive era schools are equipping the teachers who are multi-talented to have strong creative skills along with the understanding of students to shape their future. To fulfill the need of society and to face the challenges of life, the budding teachers are to be prepared to cope with the changing societal and professional needs with the Ancient Era.

For this GIAST is providing platform to enhance the potential of aspirant teachers.

Gitarattan Institute of Advanced Studies and Training has emerged as a widely recognized & one of the best center of excellence in Teacher Education. GIAST is committed to produce excellent teachers who are highly motivated, globally competitive and are living models of human values. They are capable of transforming acquired knowledge and skills into professional life to nurture the future of the nation.

RECENT INNOVATION OF ARTIFICIAL INTELLIGENCE IN TEACHER EDUCATION: OPPORTUNITIES & CHALLENGES

We solicit your gracious presence on this occasion to make this event a grand success



BACKGROUND AND RATIONALE

“Artificial Intelligence is not a substitute for human intelligence; it is a tool to amplify human creativity and ingenuity”

Artificial Intelligence can be defined as machines that can perform the tasks that humans carry out through their thinking. The National Education Policy (NEP) 2020 has recommended introducing contemporary subjects like Artificial Intelligence in curriculum, at relevant stages. AI may enable novel approaches to learning, teaching, and educating, but it may also reshape society in ways that provide new challenges for institutions of learning. The application of AI in education may result in new understandings of how learning takes place and may alter how learning is evaluated. According to UNDP, (2018), all human behavior is predicated on imagined futures. Because it has not yet happened, the future is unknown to us, but we can create it and make it happen by using the knowledge we currently have. The more we comprehend the past and the events that led to the present, the better.

Since the origin of the establishment of education, the strategies of teaching and also the bond shared between learners and educators have evolved considerably. Teaching strategies across the world became additional structured to administer higher, additional efficient results. This transformation will be majorly attributed to the continued intervention of technology. On the rear of continuous technological advancement, we tend to square measure witnessing a paradigm shift within the teaching-learning method the connection between educators and students are dynamical.

Technology has always played an important role in education, but its current use is more prevalent than ever thanks to the increased availability of smart devices and web-based curriculum. With the rise of Artificial Intelligence in education, there are many different ways it is being used to help students learn. There are a few technologies with AI that are already affecting and will affect education in every way:

- Chatbots: These are being increasingly implemented into classrooms where kids use iPads or laptops to chat with bots designed to help them understand specific topics such as math or reading comprehension.
- Virtual- Reality: It is a three-dimensional computer-generated environment that people can explore and it is a great way to help students feel connected to each other. When they are indifferent classrooms but using the same virtual reality program, they can communicate safely while still being separated by distance.
- Robotics: It can be an excellent resource for learning for both students and teachers – a way to explore a topic in-depth without getting bored. For teachers, this means robots can provide a way to have more one-on-one time with students who need additional help. For students, it's a chance to teach themselves something new without the pressure of being the only person in class or having their peers judge them for making mistakes.

AI can play a crucial role in improving the quality of teacher education. Artificial intelligence is becoming an integral part of smart ICT based apps targeted for digital learning in India. AI can provide teachers with access to high-quality educational resources and learning materials that are tailored to their individual needs. It can also enhance teachers' skills by providing them with access to a range of tools and resources that can help them become better educators. AI can facilitate personalized learning by providing teachers with access to a range of tools and resources that can help them create personalized learning experiences for their students. AI has the potential to enrich student's experience. Gitarattan Institute of Advanced Studies and Training has decided to organize a National Conference.

On

RECENT INNOVATION OF ARTIFICIAL INTELLIGENCE IN TEACHER EDUCATION: OPPORTUNITIES & CHALLENGES



SUB-THEMES

1. **Integration of AI in Teacher Education Curricula**
2. **Ethical considerations in the use of AI in Teacher Education.**
3. **AI based assessment tools, teaching - Learning strategy & their impact on teacher education.**
4. **Compatibility of AI & Traditional teaching.**

WHO SHOULD ATTEND

We cordially invite abstracts & manuscripts from the following categories

- Teacher Educators,
- Research Scholars,
- Academicians,
- Principals/ HODs of the schools and Teacher Training Institutes

EXPECTATIONS FROM THE PARTICIPANTS

- to attend to the experts' view points
- to share their own views after each session of the Conference.
- to develop articles/papers on the various aspects of the theme



REGISTRATION: To register click on the Link or Scan QR Code.

<https://forms.gle/QCPrwRxY1cmb1QxM6>

- **THERE IS NO REGISTRATION FEE FOR THE CONFERENCE.**
- The technical sessions of the conference will be conducted “**HYBRID MODE**”.
- Interested participants can REGISTER themselves through the provided link.
- We will send the conference invitation (meeting no.) through whatsapp / Mail on the numbers provided by the participants, which is to be used to participate in the session.
- The Hybrid mode National Conference is open on a First cum first serve basis. Total number of participants shall be restricted to max. Capacity of 100 entries.
- Certificates will be provided to only those candidates who have both registered and attended the Conference.
- All the participants presenting papers will be awarded E – Certificate.
- All non – paper presenting participants will also be awarded with a certificate of participation.



CALL FOR PAPERS:

Interested participants are requested to send their papers on original & unpublished works keeping in mind the above-mentioned theme and sub-themes. Kindly send **ABSTRACTS** as per the following guidelines by 20th April'2024 and **FULL PAPER** by 25th April'2024 to giastcordinators@outlook.com.

Suitable papers may find a place in Gitarattan Journal of Education (a REFEREED JOURNAL)

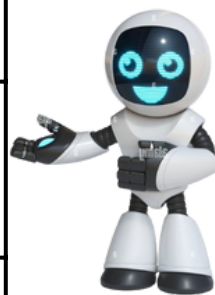
GUIDELINES FOR PAPER SUBMISSION:

- All submissions must be made in word format
- Abstracts should not exceed 400 words.
- The manuscript (in about 3000 words) should be sent only by e-mail in MS Word document (A4 Size, Single Column, 12 font Point, Times New Roman, Single line spacing).
- A separate covering page indicating the theme, sub-theme, title of the paper, Name of the author(s), Designation, Organizational address, Phone number, E- mail address should be sent with the manuscript.
- After sending a soft copy of your paper, you will receive acknowledgement via email.
- Referencing should be as per the latest APA style.
- The selected papers may be published in our journal as per the guidance of the Editorial & Refree Board.

IMPORTANT DATES

(The paper presenters must submit their full paper before 26.04.2024)

1.	ABSTRACT SUBMISSION	20/04/2024
2.	INTIMATION OF ACCEPTANCE	23/04/2024
3.	SUBMISSION OF FINAL PAPER (soft copy at giastcordinators@outlook.com)	26/04/2024
4.	CONFERENCE DATE	27/04/2024



PLEASE NOTE

- All submitted papers will undergo a review process by eminent referees.
- The papers shortlisted by our referees may find a place in our journal "Gitarattan Journal of Education".
- Submission of manuscript will simply imply that the paper has not been sent for publication anywhere else.
- For further query and assistance please contact at 9540711555



PROGRAM SCHEDULE

PROGRAMME	TIME
INAUGURAL REMARKS & KEYNOTE ADDRESS: BY : PROF. K. SRINIVAS , HEAD ICT & PROJECT MANAGEMENT UNIT, NIEPA	10: 15am – 11:15am
TECHNICAL SESSION : I BY : DR. AMIT GAUTAM ,ASSOCIATE PROFESSOR, NIEPA, DELHI.	11:15 a.m.– 12:15pm
OPEN DISCUSSION (REACTIONS & VIEWS) & PAPER PRESENTATION	12:15 pm- 12:45pm
TECHNICAL SESSION: II BY : PROF. AMARENDRA BEHERA , JOINT DIRECTOR, CIET,NCERT, NEW DELHI	12:45pm – 01:45 p.m.
OPEN DISCUSSION (REACTIONS & VIEWS)& PAPER PRESENTATION	01:45pm – 02:15pm
VALEDICTORY SESSION	02:15pm – 02:30pm

We at GIAST are all connected digitally. For any further query or assistance, please contact@9540711555 or 9643454005

E mail gjastcordinators@outlook.com

The link for the conference will be shared before the session of the conference to the **registered participants only.**

Looking forward to meet you all on Hybrid mode platform.
Your gracious presence in the conference is solicited.

Stay Safe, Stay Digital, Be Positive. Warm
Regards

Prof. Sonia Jindal
PRINCIPAL



NATIONAL CONFERENCE 2024

RECENT INNOVATION OF ARTIFICIAL INTELLIGENCE IN TEACHER EDUCATION: OPPORTUNITIES & CHALLENGES

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NATIONAL CONFERENCE 2024

*“Recent Innovation of Artificial Intelligence in Teacher
Education : Opportunities & Challenges*

LEAD SPEAKER (Technical session-1)
DR. AMIT GAUTAM
ASSOCIATE PROFESSOR
NIEPA , DELHI

KEYNOTE SPEAKER
PROF. K SRINIVAS
HEAD ICT &
PROJECT MANAGEMENT
NIEPA, DELHI

LEAD SPEAKER (Technical session -2)
PROF. AMARENDRA BEHERA
JOINT DIRECTOR
CIET , NCERT DELHI

MODERATOR
DR. SHIKHA RANJAN
ASSOCIATE PROFESSOR, GIAT

<https://forms.gle/QCPwRxY1cmb1QxM6>

HYBRID MODE

TIME : 10:00 am onwards **DATE | 27, APRIL 2024 | SATURDAY**

011-27045607 giastcordinator@outlook.com www.giast.org

“Artificial intelligence has the potential to revolutionize teacher education by personalizing learning, optimizing instruction, and empowering educators to meet the diverse needs of every learner.”

The national Seminar was aimed to review one of the highlighting spot of The National Seminar was conducted on 27th April, 2024 in hybrid mode.

Artificial Intelligence (AI) is changing the way we interact with technology and the way we live our lives. It has the potential to revolutionize the field of education, especially teacher education. Education includes many aspects of teaching & learning and it involves both school education and higher education. Teacher education is an integral part of our education system as it serves as a mean of shaping the future. The National Council for Teacher Education (NCTE) has defined Teacher Education as a programme of education, research & Training of persons to teach students of pre-primary to higher education. The ultimate aim of teacher education is to develop skills and competencies in the prospective teachers so that it enables them to meet the requirements of teaching profession and prepare them to meet future needs. It is important to

understand that Artificial Intelligence can support teachers, through the provision of educational applications, in the same way as these technologies are reshaping other fields.

The National Education Policy (NEP) – 2020 emphasizes the importance of leveraging the advantages of technology while acknowledging its potential risks and dangers. New technologies involving artificial intelligence, machine learning, block chains, and other forms of educational software and hardware will not just change what students learn in the classroom but how they learn, and thus these areas and beyond will require extensive research both on the technological as well as educational fronts.

The National Conference on Artificial Intelligence in Teacher Education convened to explore the transformative potential of AI in enhancing teaching practices and educational outcomes. Bringing together educators, researchers, and policymakers, the conference aimed to facilitate dialogue, exchange ideas, and chart the way forward for integrating AI into teacher education.

Prof. Sonia Jindal, Principal, Gitarattan Institute of Advanced Studies and Training, was the guiding force in the dynamic execution of National Seminar and other faculty members and guests enriched the event with their remarkable presence.

Our students from B.Ed. welcomed **K. Srinivas Sir** who is the key note speaker of our seminar.



Dr. Shikha Ranjan, Associate Professor, Gitarattan Institute of Advanced Studies and Training gave the salutation for the programme and gave the token as a planter to K.Srinivas sir.

The lamp lighting ceremony is an auspicious occasion recognizes as a session to celebrate new beginnings. Light is a universal symbol of truth, knowledge, and understanding. The lamp lighting was done by our guest and other faculty to start the fruitful session.



To carry over the proceedings of the National Seminar, Ms. Neha bajaj Assistant Professor, Gitarattan Institute of Advanced Studies and Training gave Prelude where she gave the introduction about the topic in a detailed manner. She emphasized on the RECENT INNOVATION OF ARTIFICIAL INTELLIGENCE IN TEACHER EDUCATION: OPPORTUNITIES & CHALLENGES



Cynosure address on the topic was taken forward by **Professor K. Srinivas Sir**, Head of ICT NIEPA. Sir has a great companionship with the Institution. He addressed the faculties and personalities from educational fraternity and shared his words of wisdom. He explained about the need of AI integration in education to create dynamic and interactive classroom environments and demonstrated AI driven classroom assistant's tools fostering participant engagement and interaction such AI tools as Anuwadini and Text translation for the language translation. Edupuzzle and Limi introduction are such AI tool that can be used to reduce the time limit of video to make it more interesting for students. Nearpod and Gamma are such AI tool that can be used to make an effective presentation. He also demonstrated the steps to make a mind map. It was such an interactive and interesting session for both students and teachers

To carry forward the session abridgement was done by Ms.Neha Bajaj , Assistant professor GIAST.

The National Seminar has happened under two technical sessions. The First Technical Session was hosted by Ms.Neha Bajaj and chaired by Professor k Srinivas in which four papers were presented by guests.



Technical session 1

1. Dr.Monika singh (MSIT)
2. Ms.Vandana & Ms Ayushi (GIAST)
3. Dr.Preeti and Ms.Sheetal
4. MS.Bhawana Garg (GIAST)

At the end of Technical Session -1,Ms.Neha Bajaj , Assistant professor GIAST handed over the charge to Dr.Shweta Grover to execute the technical session 2 .

Dr. Shweta Grover welcomed the speaker for the technical session-2 **Prof.Amaredra Behera** ,joint director of CIET,NCERT shared his valuable thoughts and experience through online session. He highlighted the potential benefits and challenges of utilizing AI technologies in educational settings, emphasizing the importance of a strong theoretical foundation in shaping the future of education. He explained that we cannot rely totally on Chat-gpt AI tool which now a days used by every students frequently for their assignment etc. He explained about eJaadui Pitara- Katha Sakhi! which are vital for a child's growth, aiding in communication, language learning, and holistic development also creating new stories each time can be challenging for parents and teachers. It discover the magic of "Learning through Play" with eJaadui Pitara-Katha Sakhi. Katha Sakhi generates engaging tales on any topic or characters, fostering imagination, vocabulary, and emotional intelligence. It also recommends post-story activities for enriching discussions. It was a fruitful and informative session for the students and educators

The technical session 2 was followed by discussion where 3 participants were invited to put forward their views with their presentations and with a concluding remark from Prof.Amaredra Behera .

Presenter from technical session-2

- 1.Ms.Praveen Kumari
- 2.Mr.Rajesh Makol
- 3.Dr.Shweta & Ms.Ashima(GIAST)

The session came to an end with expression and gratitude with a conclusion given by Ms.Rupa sharma Assistant professor GIAST on the behalf of Gitarattan family ,she thanked the honourable resource persons for both the sessions for their valuable insights about the theme .