

International Conference on Computing Technologies in Emerging Areas (ICCTEA) 2025 [April 25th & 26th 2025]
Brainware University, Barasat, North 24 Paraganas, West Bengal, India

The Department of Cyber Science & Technology of Brainware University, West Bengal, India, is organizing the inaugural edition of a International conference named International Conference on Computing Technologies in Emerging Areas (ICCTEA) on April 25th & 26th, 2025, in hybrid mode. The conference will focus on exploring advancements and future possibilities in emerging technologies with Artificial Intelligence, Cellular Automata, Cloud Computing, Edge Computing, Quantum Computing, and IoT etc. It will further address the role of parallel and distributed computing in technological progress. The importance of energy-saving metrics and environmental considerations in smart computing are also included alongside. The event aims to highlight the critical role of secured, efficient smart computing systems in driving modernization and supporting Society 5.0.

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Important Dates & Links

Microsoft CMT link:
<https://cmt3.research.microsoft.com/ICCTEA2025>

Add website link:
<https://www.brainwareuniversity.ac.in/confeence/2025/icctea/>

Submission deadline: 15th Feb, 2025
Notification of Acceptance: 15th Mar, 2025
Camera ready paper submission: 25th Mar, 2025
Last date of Registration: 5th April, 2025
Conference Date: 25th & 26th April 2025

Conference Tracks

Artificial Intelligence and Machine Learning

- Key areas include deep learning, natural language processing, computer vision, robotics, and data analytics.
- Focus on advancements and applications of Artificial Intelligence and Machine Learning in computing.
- Innovative algorithms, system designs, and real-world implementations.
- The integration of AI/ML in modern computing paradigms.
- Encourages presentations on novel solutions and break throughs in automation, decision-making, and intelligent systems.

Cellular Automata Models and Computation

- Focuses on the theoretical and practical aspects of cellular automata in computing.
- Includes topics like algorithm design, complexity analysis, and modeling computational systems.
- Explores applications in pattern recognition, cryptography, network modeling, and artificial life.
- Highlights advancements in automata-based simulations and their use in solving real-world problems.
- Encourages interdisciplinary approaches combining cellular automata with AI, machine learning, and data science.

Internet of Things (IoT)

- Focuses on IoT technologies and their impact on modern computing.
- Covers topics like IoT architectures, protocols, and communication standards.
- Explores advancements in edge computing, cloud integration, and IoT security.
- Highlights applications in smart cities, healthcare, industrial automation, and connected devices.
- Research on data analytics, real-time processing, and energy-efficient IoT solutions.
- Discussions on challenges and innovations in large-scale IoT deployments.

Cyber Security

- Focuses on the application of innovative measures to enhance cyber security.
- Covers topics such as machine learning for threat detection, anomaly detection, and intrusion prevention.
- Highlights the use of AI in developing intelligent security systems, risk assessment, and vulnerability management.
- Discusses advancements in behavioral analysis, automated response, and proactive defense strategies.
- Encourages research on AI-driven solutions to combat cyber threats in real-time and at scale.
- Promotes collaboration between AI researchers and cybersecurity professionals to address evolving security challenges.

Advanced Computing Paradigms (Quantum Computing, Cloud Computing, Crowd Computing, Hybrid Models and Systems)

- Focuses on the convergence of these advanced computing paradigms.
- Covers the integration of quantum computing with cloud and crowd computing.
- Discusses hybrid models that combine different computing approaches for enhanced performance and scalability.
- Highlights research on novel algorithms, optimization techniques, and applications across various domains.
- Encourages exploration of interdisciplinary solutions to complex computing challenges.

Submission

Submissions must be original, unpublished, and not under review elsewhere. Those should follow the Springer single-column format in LaTeX or Microsoft Word and must be submitted through Springer single-column format Format as PDFs. Supplementary material exceeding the page limit may be included as an appendix but will not be published. Authors can submit multiple research articles.

However, they need to register for those seperately (with concession rate). At least one author of an accepted paper must register and present it. Program Committee members are also welcome and will undergo a special evaluation process. Authors are required to submit research papers written in English not exceeding 12 pages (single column including figures, tables and references) via conference email
id - icctea.cstconf@brainwareuniversity.ac.in.



Docs



Latex

Proceedings

1. All accepted papers of the conference will appear in the proceedings published by Springer Nature in the book series CCIS (Communications in Computer and Information Science) (approval waiting).
2. Extended versions of all selected papers presented at the conference is to be published in a book (Science publishers/CRC Press).
3. Extended versions of all selected papers presented at the conference is planned to be published in some SCI/Scopus journals of repute.

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