RTC INSTITUTE OF TECHNOLOGY

Anandi, Ormanjhi, Ranchi-835219
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(ISO 9001:2015 Certified)

4th International Conference on
Advanced Computing and Applications (ICACA- 2026)

Theme: Sustainable Intelligent Computing

6 – 7 March 2026 (Hybrid Mode)

**Venue – Jharkhand University of Technology, Science & Technology Campus,
Sirkha Toli, Namkom, Ranchi, PIN-834010, Jharkhand**

Salient Feature : Proceedings of "ICACA 2026" is approved by editorial board of Springer Nature. Springer will publish 1 volume of proceedings in their book series "Lecture Notes in Networks and Systems" (https://link.springer.com/series/15179).

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For details visit: https://rtcit.ac.in

About College

RTC Institute of Technology (RTCIT) aims to consolidate as a pioneer technical institution for running various B.Tech. and Diploma Courses.

The Institute was established in the year 2008 by GAV SAMITI, a trust (45 years old) working in the field of education, having 23 Schools, Intermediate, Degree and B.Ed. Colleges spread all over the State of Jharkhand, serving a large population and lighting the spark of quality education.

The Institute is situated in a lush green environment on NH-33 (Ranchi-Ramgarh) about 20 km away from the capital city (Ranchi). It is surrounded by scenic water body and natural landscape with a perfect pollution-free atmosphere most conducive for academic pursuit. It is located about 1.75 km from Ormanjhi block chowk on Sikidri road.

The Institute location is well connected with all-weather roads. The Institute is being developed by a promising team of qualified and committed engineers, builders, architects & planners constantly working towards achieving excellence.

About IETE

Founded in 1953, The Institution of Electronics and Telecommunication Engineers (IETE) is a leading professional society devoted to the advancement of Science & Technology in Electronics, Telecommunications, Information Technology, Computer Science and other related disciplines.

IETE serves its more than 1.20 lakhs members both individuals and industries/ organizations through its 63 Centres spread all over India including one in Kathmandu (Nepal). The Government of India, Ministry of Science and Technology, Department of Science & Industrial Research has recognised IETE as a Scientific and Industrial Research Organisation (SIRO) and the Institution has also been noticed as an Educational Institution of National Eminence by the Government of India. The Institution provides leadership in scientific and technical areas of direct importance to the national development and economy. Developing and improving technical and professional competencies, particularly in the working environment, is the greatest challenge that professionals all over the world face today. To help its members, both in India and abroad, avoid technological obsolescence and to achieve the mission of advancing the profession, IETE offers access to latest developments in the technology via conferences, workshops, publications and brain-storming sessions. Mid-Term Symposium, which is one of the flagship events of the institution is one such programme

About Conference

The International Conference on Advanced Computing and Applications (ICACA- 2026) is dedicated to exploring how AI can be effectively harnessed to enable and accelerate sustainable development globally. Its key objectives include: It aims to foster cooperation across academic disciplines, industry sectors, and government bodies, forging partnerships that combine theoretical AI advances with real-world engineering and policy efforts. The conference convenes international academics, researchers, industry leaders, policymakers, and practitioners to share cutting-edge AI research and its practical applications in sustainability. Discussions often focus on areas like climate change, clean energy, smart cities, agriculture, environmental monitoring, disaster management, and public health.

Objective

The International Conference on Advanced Computing and Applications (ICACA- 2026) aims to provide a global platform for researchers, academicians, policymakers, industry experts, and technologists to explore and exchange innovative ideas, research outcomes, and practical applications of AI that contribute to sustainable development goals (SDGs).

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(Not limited to the following topics)

Track I: Sustainable Computational Intelligence
- Artificial Intelligence
- Machine Learning
- Pattern Recognition
- Deep Learning

Track II: Sustainable Communication and Computing
- Advanced Communication Technologies
- IoT Based Systems and Applications
- Blockchain
- Layer based Communication Protocol

Track III: Security and Digital Forensic
- Network Security and Privacy
- Authentication and authorization mechanism
- Biometric authentication systems
- Cyber risk mitigation strategy
- Cyber warfare
- Cybercrime and digital laws
- IoT security and forensics

Track IV: Signal Processing and Multimedia
- Compressed Sensors and Multimedia Applications
- Signal, Image and Video Processing
- Steganography and Watermarking

Important Dates

(Last Date)

Full Paper submission (Extended)	25 January 2026
Notification of Final acceptance	15 February 2026
Submission of Revised Paper	28 February 2026
Last date of registration	28 February 2026
Spot Registration	6 March 2026
Conference date	6 – 7 March 2026

For Participants Only

Category of participation	Registration Fee
Academia/Faculty	1000
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Delegates from Industry and Government	1500
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Instructions to Authors

Original conceptual papers on the subjects or allied subjects for presentation in the seminar are requested. Contributors are requested to submit papers in single column format, single space, font style, Times New Roman, font size 12 in A4 format with the soft copy made in MS-Word format or PDF format. The full paper must be within five pages. The last date for submission of the paper is 17 February 2026 Three best student paper certificates will be awarded based on judgement by the Session evaluators. All author(s) in the paper must be student(s). A few very good papers, if recommended by the
session judges will be recommended to extend for considering possible publication into some publisher's approved book as the chapters based on the theme.

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