CGC UNIVERSITY MOHALI

Shaping Tomorrow, Today

Our Legacy

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International Conference on

Generative AI

For Simulation and Advanced Computing

IGASAC 2026

CGC University
Mohali

DECEMBER
9th-10th, 2026

ORGANIZED BY

Department of Computer Science & Engineering
School of Engineering & Technology

About University

CGC University, Mohali was established in 2025 under the aegis of the Chandigarh Educational Society, carrying forward a distinguished legacy of over 25 years of academic excellence. Formerly known as Chandigarh Group of Colleges, Jhanjeri, the institution has evolved into a multidisciplinary university while preserving its strong commitment to quality education, innovation, research, and student success.

The university has earned the prestigious NAAC A+ Accreditation with an impressive CGPA of 3.46 on a 4.0 scale, reflecting excellence in teaching, research, infrastructure, governance, and institutional performance. With highly qualified faculty, state-of-the-art infrastructure, advanced laboratories, innovation and research centers, and strong industry collaborations, CGC University provides an environment that nurtures academic excellence, creativity, entrepreneurship, and lifelong learning.

CGC University offers a comprehensive portfolio of Undergraduate, Postgraduate, M.Tech, and Doctoral (Ph.D.) programmes across diverse disciplines, including Engineering & Technology, Computer Applications, Management, Commerce, Law, Liberal Arts & Humanities, Journalism & Mass Communication, Pharmacy, Fashion Design, Paramedical Sciences, Applied Sciences, and Allied Health Sciences. Through affordable, high-quality education and a vibrant learning ecosystem, the university empowers students to become competent professionals, innovators, researchers, entrepreneurs, and responsible global citizens.



About the Conference

The International Conference on Generative AI for Simulation and Advanced Computing (IGASAC2026) aims to bring together researchers, academicians, scientists, industry professionals, and students from around the world to exchange ideas, present cutting-edge research, and explore the transformative potential of Generative Artificial Intelligence, simulation technologies, and advanced computing.

The conference serves as a multidisciplinary platform for discussing recent advancements in Large Language Models (LLMs), Diffusion Models, Foundation Models, High-Performance Computing (HPC), Digital Twins, Scientific Simulation, Intelligent Systems, and AI-driven Engineering Applications. It encourages collaboration between academia and industry to address emerging challenges and develop innovative, scalable, and sustainable AI solutions.

IGASAC2026 seeks to foster interdisciplinary research, promote knowledge exchange, and strengthen global partnerships that accelerate technological innovation and contribute to the advancement of intelligent computing systems. Through keynote lectures, technical sessions, panel discussions, and research presentations, the conference provides participants with valuable

opportunities to learn from experts, exchange ideas, and establish meaningful collaborations for future research and development.





Call for Papers

Researchers, academicians, scientists, industry professionals, and students are invited to submit original, unpublished, and high-quality research papers aligned with the conference themes.

All submissions will undergo a rigorous double-blind peer-review process to evaluate originality, technical quality, significance, and relevance. Accepted papers will be presented during the conference and considered for publication in the conference proceedings, subject to the publisher's review, acceptance, and publication policies.

Authors are requested to prepare their manuscripts using the prescribed conference template and submit them through the Microsoft CMT Submission System before the submission deadline.

Submission Information

Paper Template: Available on the Conference Website
Paper Submission Portal: Microsoft CMT
CMT Submission Link:
https://cmt3.research.microsoft.com/IGASAC2026
Conference Website:
https://www.cgcuniversity.in/conference/international-conference-new/index.html
Email:
igasac@cgcuniversity.in

For CMT Submission

For Conference Website

Registration Fees

Delegates	Registration Fee
Research Scholars / Academicians	₹9,000 (INR)
Corporate / Industry	₹10,000 (INR)
Foreign Delegates	USD 150

About Research & Innovation at CGC University

CGC University, Mohali fosters a vibrant research and innovation ecosystem that promotes interdisciplinary collaboration, scientific excellence, and technological advancement. Through dedicated research centres, innovation hubs, industry partnerships, and sponsored research projects, the university encourages faculty members, researchers, and students to develop impactful solutions to real-world challenges. The university actively supports high-quality publications, patents, startups, technology transfer, and international collaborations to strengthen its global research footprint.

Department of Computer Science & Engineering

The Department of Computer Science & Engineering at the School of Engineering & Technology, CGC University, Mohali, is committed to excellence in teaching, research, and innovation. The department offers undergraduate, postgraduate, and doctoral programmes designed to prepare students for careers in emerging technologies. With experienced faculty members, state-of-the-art laboratories, industry collaborations, and a strong focus on research, the department actively contributes to advancements in Artificial Intelligence, Machine Learning, Data Science, Cyber Security, Cloud Computing, Internet of Things (IoT), High-Performance Computing, and Generative AI.

School of Engineering & Technology

The School of Engineering & Technology at CGC University, Mohali, provides a dynamic learning environment that combines academic excellence with industry-oriented education. The school offers programmes across various engineering disciplines and emphasizes innovation, experiential learning, interdisciplinary research, and entrepreneurship. Equipped with modern laboratories, smart classrooms, and collaborative research facilities, the school prepares students to become skilled professionals, innovators, and future technology leaders capable of addressing global engineering challenges.

Themes of interest for submission include, but are not limited to

Track 1: Foundations of Generative AI & Large Models

- Generative Adversarial Networks (GANs)
- Diffusion Models
- Large Language Models (LLMs)
- Foundation Models
- Multimodal Generative Systems
- Synthetic Data Generation
- Model Optimization & Fine-tuning
- Explainable Generative AI

Track 2: AI-Driven Simulation & Scientific Modeling

- Physics-Informed Neural Networks (PINNs)
- AI for Computational Fluid Dynamics
- Generative Models for Scientific Simulation
- Digital Twins & Predictive Modeling
- AI-Accelerated Numerical Methods
- Climate & Environmental Modeling
- Materials Simulation using AI

Track 3: Advanced Computing & Intelligent Systems

- High-Performance Computing (HPC)
- Edge & Cloud AI Systems
- Distributed AI Architectures
- AI Hardware Acceleration
- Parallel & Scalable AI Systems
- AI for Cyber-Physical Systems
- Energy-Efficient AI Computing

Track 4: Generative AI Applications in Engineering & Healthcare

- AI in Smart Healthcare Systems
- Medical Image Generation & Analysis
- Generative Design in Engineering
- AI for Smart Cities & IoT
- Secure & Trustworthy Generative AI
- Blockchain Integration for AI Systems

Activity	Date
Paper Submission Opens	1st August 2026
Deadline for Paper Submission	20th October 2026
Notification of Acceptance	30th October 2026
Camera-Ready Paper Submission	11th November 2026
Early Bird Registration	20th November 2026
Last Date for Registration	25th November 2026
Conference Dates	9th–10th December 2026

Organizing Committee

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CGC University, Mohali, Punjab, India

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Advanced Centre of Research & Innovation (ACRI), School of Advanced Computing

Dr. Mukesh Kumar | Dr. Amit Verma

For any Queries

Dr. Rubal Jeet

CMT Submission Link: https://cmt3.research.microsoft.com/IGASAC2026

Conference Website: https://www.cgcuniversity.in/conference/international-conference-new/index.html

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