CGC UNIVERSITY MOHALI

Shaping Tomorrow, Today

Our Legacy | QS I-GAUGE | nirf | NAAC GRADE A+

International Conference

on

SMART AND SUSTAINABLE TECHNOLOGIES FOR GLOBAL DEVELOPMENT

(ICSSTGD-2026)

13TH–14TH AUGUST

CGC UNIVERSITY, MOHALI

For Enquiry: sstgd@cgcuniversity.in



Organized by: School of Advance Computing (SAC)

In association with

Advanced Centre of Research & Innovation, CGC University, Mohali

CGC UNIVERSITY MOHALI

Shaping Tomorrow, Today

CGC University, Mohali was established in 2025 under the aegis of the Chandigarh Educational Society. Backed by a legacy of over 25+ years in delivering excellence in education, the institution has transformed into a full-fledged university while upholding its strong academic foundation and commitment to student success.

Under its previous identity as Chandigarh Group of Colleges, Jhanjeri, the institution earned the prestigious NAAC A+ accreditation with an impressive CGPA of 3.46/4.0, reflecting its high standards in teaching, research, and overall institutional performance.

With experienced faculty, modern infrastructure, and a commitment to innovation and student success, CGC University, Mohali aims to deliver quality higher education at affordable fees. It emphasizes holistic student development, practical learning, and industry readiness, making it a preferred destination for students across the country.



ABOUT THE SCHOOL OF ADVANCE COMPUTING (SAC)

The School of Advance Computing (SAC) at CGC University, Mohali, is a centre of excellence in computing education, innovation, and industry-oriented learning. The school offers undergraduate and postgraduate programs designed to provide students with a strong foundation in computer science, artificial intelligence, data science, cybersecurity, software development, cloud computing, and emerging digital technologies.

With highly qualified faculty, state-of-the-art laboratories, and a curriculum aligned with current industry requirements, SAC is committed to cultivating competent computing professionals and researchers who are capable of addressing global technological challenges.

Beyond academics, the school actively promotes innovation, research, and entrepreneurship, preparing students to become future leaders in industries such as IT services, software engineering, data analytics, automation, and digital transformation.



ABOUT THE CONFERENCE

The International Conference on Smart and Sustainable Technologies for Global Development (ICSSTGD-2026) aims to bring together academicians, researchers, industry professionals, and policymakers to explore how emerging technologies are driving global sustainability, innovation, and intelligent transformation across multiple domains.

This conference provides a comprehensive platform to discuss the integration of Artificial Intelligence (AI), Machine Learning (ML), Internet of Things (IoT), Remote Sensing, Geospatial Intelligence, Renewable Energy Systems and Smart Infrastructure in addressing real-world challenges related to agriculture, environment, energy, health, and industry.

Starting with a broad overview of technological evolution and its growing importance in achieving the United Nations Sustainable Development Goals (SDGs), the conference delves into key innovations that are shaping a smarter and more sustainable world. Through case studies and applied research, participants will gain insights into smart data analytics, digital transformation, precision agriculture, climate-resilient technologies, and sustainable resource management.

Further discussions will focus on IoT-based monitoring systems, AI-enabled decision-making frameworks, renewable energy optimization, and GIS-driven environmental analysis. The conference emphasizes interdisciplinary collaboration and showcases the economic, social, and environmental benefits of integrating these technologies into everyday practice.



CALL FOR PAPERS

Researchers, academicians, and industry experts are invited to submit original articles within the scope of the conference topics. Every paper will undergo a peer review process, with evaluations based on originality, technical proficiency, in-depth content, and conference relevance. All participants need to sign a declaration of originality before final submission.

PAPER SUBMISSION

- ***For Abstract:*** Authors are requested to submit their original, unpublished abstracts, which should be no more than 300 words and five keywords. Only MS Word files in the format of an abstract (English font: Times New Roman) should be submitted. The name of the corresponding author needs to be underlined with a complete mailing address or highlighted with an asterisk (*).

- ***For Full-Length Paper:*** The authors are requested to submit their manuscripts, which should not exceed 6000–7000 words, in the form of research and review papers. Every article will go through the standard peer review process, and should adhere to the less than 10% plagiarism guidelines.

For More Details About the Conference, Please Visit
https://www.cgcuniversity.in/conference/icgipa/

For Enquiry, Please Contact at
sstgd@cgcuniversity.in

REGISTRATION FEES

Delegates	***Registration Fee*** *(For Participation & Full Paper Submission)*	***Registration Fee*** *(For Participation only)*
Research Scholar/ Academicians	***8000 (INR)***	***3000 (INR)***
Corporate/ Industry	***10000 (INR)***	***4000 (INR)***
Foreign Delegates	***$150***	***$100***

KEY THEMES OF INTEREST FOR SUBMISSION

Track 1: Smart and Sustainable Technologies for Agriculture and Food Security

- Role of Digital and Geospatial Intelligence in Precision Agriculture
- AI and Machine Learning Applications for Crop Monitoring and Yield Prediction
- IoT-Based Smart Farming and Real-Time Decision Support Systems
- Climate-Resilient and Resource-Efficient Agricultural Practices
- Case Studies on Sustainable Agri-Tech Innovations

Track 2: Artificial Intelligence, Data Science, and Machine Learning for Global Sustainability

- AI and Data Analytics for Climate, Environment, and Energy Solutions
- Predictive Modelling and Decision Intelligence for Smart Systems
- Big Data Applications in Sustainable Urban and Industrial Development
- Ethical and Responsible AI for Societal Well-Being
- Emerging Trends in Intelligent Automation and Deep Learning

Track 3: Renewable Energy Systems and Green Technologies

- Innovations in Solar, Wind, and Bioenergy Systems
- Smart Grids and Energy Management through IoT and AI
- Waste-to-Energy and Circular Economy Solutions
- Sustainable Energy Storage and Distribution Technologies
- Policies and Practices for Global Clean Energy Transition

Track 4: Smart Cities, Urban Planning, and Infrastructure Development

- GIS and Remote Sensing for Smart Urban Planning
- Intelligent Transportation Systems and Mobility Solutions
- Green Building Design, Energy-Efficient Architecture, and Urban Sustainability
- ICT-Enabled Public Infrastructure and Smart Governance
- Case Studies in Smart and Sustainable City Implementation

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KEY THEMES OF INTEREST FOR SUBMISSION

- ***Track 5: Internet of Things (IoT) and Cyber-Physical Systems for Sustainable Development***
  - IoT Applications for Environmental and Resource Monitoring
  - Smart Sensors and Automation for Industry 4.0
  - Integration of IoT, Cloud, and Edge Computing for Smart Ecosystems
  - Data Security, Privacy, and Cyber-Resilience in Connected Systems
  - Future Directions in IoT for Sustainable Global Growth

- ***Track 6: Geospatial Technologies, Remote Sensing, and Environmental Intelligence***
  - Advances in Earth Observation and Satellite Imaging
  - GIS-Based Environmental Monitoring and Disaster Management
  - Integration of Geospatial Data with AI and IoT Systems
  - Land Use, Climate Change, and Natural Resource Mapping
  - Emerging Innovations in Geospatial Intelligence for Global Development

- ***Track 7: Sustainable Materials, Manufacturing, and Industrial Innovation***
  - Green Manufacturing and Smart Production Systems
  - Advanced Materials for Energy Efficiency and Waste Reduction
  - AI-Enabled Predictive Maintenance and Supply Chain Optimization
  - Sustainable Industrial Practices and Environmental Compliance
  - Innovations Driving Industry 5.0 and Human-Centric Manufacturing

Important Dates

Early Bird Registration: 01/07/2026 - 31/07/2026.

Deadline for Registration (Participation Only): 5th August, 2026.

Deadline for Abstract Submission: 20/07/2026.

Deadline for Full-Length Paper Submission: 05/08/2026.

CHIEF PATRON

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