

8th International Conference on Recent Trends in Advanced Computing (ICRTAC'25)

Organized By

School of Computer Science and Engineering (SCOPE), Vellore Institute of Technology, Chennai, India
in association with

Faculty of Computer Science and Information Technology (FSKTM),
Universiti Putra Malaysia (UPM), Malaysia

**Theme : Automating Sustainability - Bridging Sustainable Development Goals
with Recent Trends in Advanced Computing**

Date of Conference: 14th & 15th November, 2025

Conference Venue: UPM, Malaysia (Hybrid Mode)

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**Early Bird Registration ends on :
20-10-2025**

**Late Registration ends on :
05-11-2025**

For any queries, Please mail to
chennai.icrtac@vit.ac.in

Call for Papers

The purpose of Bridging SDG goals with Recent Trends in Advanced Computing conferences is to promote the research on harnessing advanced computing technologies to tackle the United Nations' Sustainable Development Goals (SDGs), aiming for global progress in ending poverty and ensuring environmental protection by 2030. With a comprehensive agenda covering areas such as Blockchain, Cryptocurrency, 5G/6G Wireless, Drones, AI/ML, Quantum Computing, AR/VR, Digital Twin, Smart Cities, Fog/Edge Computing, Cyber security, automation, and Industry 4.0, the conference seeks to pioneer advanced algorithmic approaches surpassing classical techniques. It serves as an interdisciplinary platform for researchers, practitioners, and educators to deliberate on innovations in advanced computing, propose sustainable solutions to real-world challenges, explore novel automation methods, and integrate cutting-edge technologies with Robotic Process Automation to align SDG goals with recent trends in advanced computing, underscoring the imperative of automating sustainability for global development.

Technical Scope

The eighth edition of ICRTAC - 2025 invites submissions of original unpublished technical papers on the following topics, but not limited to:

Artificial Intelligence for Sustainability

- Natural Language Processing & LLM
- Generative AI
- Creative AI
- Machine Learning & Hybrid Systems

Automation for Smart Governance and Resource Optimization:

- Robotic Process Automation (RPA) for reducing resource waste and increasing operational efficiency in industries and public utilities.
- Cognitive Automation for enhancing decision-making in governance, urban planning, and public services.
- Cybersecurity Automation to safeguard digital sustainability infrastructure, including renewable energy systems, smart grids, and city-wide IoT networks.

Secure and Sustainable Digital Ecosystems

- Network Security strategies tailored for sustainable urban ecosystems and cyber-resilient energy systems.
- Privacy-preserving AI and secure data sharing in collaborative environmental research.
- Cybersecurity frameworks for smart devices and infrastructure in sustainable cities.
- Green cybersecurity practices minimizing energy use in digital defense systems.

Technologies for Environmental and Educational Impact

- Digital Twin Technologies for real-time modeling of urban infrastructure, energy distribution, and climate resilience.
- Drones and Robotics for sustainable agriculture, forest conservation, and disaster response.
- Augmented & Virtual Reality (AR/VR) for immersive sustainability education and professional training.
- Quantum Computing applications in climate simulation, clean chemistry, and STEM innovation acceleration.

Publication

All accepted and presented papers will be recommended* for publication in **Springer's Communications in Computer and Information Science (CCIS) (Scopus Indexed)***.

Registration Details

For submission : [Click here](#).

Category	Early Bird Registration	Late Registration
Research Scholars / Students	Rs.5000 +18% GST Rs.5900	Rs.6000 +18% GST Rs.7080
Academician	Rs.8000 +18% GST Rs.9440	Rs.10000 +18% GST Rs.11800
Industry Delegates	Rs.12000 +18% GST Rs.14160	Rs.15000 +18% GST Rs.17700
Foreign Academicians, Research Scholars / Students (Outside India)	USD 150 +18% GST \$177	USD 200 +18% GST \$236
UPM Academicians, Students and Research Scholars	USD 75 +18% GST \$88	USD 100 +18% GST \$118

- Final inclusion will be based on Springer's quality checks

Website : www.icrtac.org

Important Dates

Full paper submission :
09th September 2025
Acceptance notification :
10th October 2025
Registration Closes :
5th November 2025

**Attractive rewards will be
given for Best Papers**

For Registration : [Click here](#)

NOTE : The participant can pay only after the acceptance of the paper. While paying, choose ICRTAC 2025 in the dropdown menu. Then select your appropriate registration category.

Email : chennai.icrtac@vit.ac.in