International Conference on Artificial Intelligence for Sustainability and Intelligent Systems (IC- AISIS’25)

# Conference Overview

**Title:** International Conference on Artificial Intelligence for Sustainability and Intelligent Systems (IC-AISIS)

**Theme:** Harnessing AI to Drive Sustainability Across Industries

**Conference Type:** Hybrid (In-Person + Virtual)

**Duration:** 2 Days

**Proposed Dates:** 5th & 6th May 2025

**Location:** NMAM Institute of Technology, Nitte

### Organizers:

* Association of Digital Engineering (ADE)
* Centre for Intelligent Devices & Systems (CIDS)
* Department of MCA

**Target Audience:** UG/PG Students, Academicians, Researchers, Industry Professionals, Policymakers, Entrepreneurs.

**About Conference:** The International Conference on Artificial Intelligence for Sustainability and Intelligent Systems (IC-AISIS’25) is an exciting hybrid event scheduled for May 5th and 6th, 2025, at NMAM Institute of Technology, Nitte. Organized by the Association of Digital Engineering (ADE), Centre for Intelligent Devices & Systems (CIDS), and the Department of MCA, this conference serves as a vibrant platform for students, researchers, and academicians to showcase their work and engage with leading experts in the field. With a strong emphasis on academic research and student innovation, IC-AISIS’25 aims to foster new ideas, interdisciplinary collaborations, and groundbreaking solutions at the intersection of AI and sustainability. The conference will feature keynote talks, research paper presentations, interactive technical sessions, and industry-led workshops, providing students and young researchers with valuable exposure, mentorship, and networking opportunities. By encouraging hands-on learning and discussions on real-world AI applications, IC-AISIS’25 aspires to empower the next generation of innovators while contributing to global advancements in AI- driven sustainability. Selected high-impact student and faculty research papers will be published in Scopus-indexed proceedings, ensuring that academic contributions reach a global audience and inspire future technological advancements.

# Objectives

* + To explore the role of AI in promoting sustainability across various sectors.
  + To bring together experts from academia, industry, and policy-making for knowledge exchange.
  + To encourage interdisciplinary research and collaborations.
  + To discuss challenges, ethics, and policies related to AI-driven sustainability.
  + To showcase real-world applications and case studies of AI for sustainability.
  + To educate and inspire students on the role of AI in sustainability.
  + To create a dynamic student forum for AI-driven sustainability discussions.

# Key Themes and Topics

## AI for Environmental and Sustainable Development

* + AI-driven climate change mitigation and adaptation
  + AI in smart energy management and renewable energy optimization
  + AI for sustainable agriculture, biodiversity conservation, and ecosystem monitoring
  + AI-powered water resource management and waste reduction

## AI in Healthcare and Well-being

* + AI-powered predictive analytics in disease prevention
  + AI for sustainable healthcare systems and medical resource optimization
  + AI in medical imaging, diagnostics, and remote patient monitoring
  + Ethical AI in health data management and decision-making

## AI for Ethical and Responsible Innovation

* + AI governance, ethics, and policy frameworks for sustainability
  + AI for social good, humanitarian applications, and inclusive technology
  + Bias, fairness, and transparency in AI-driven decision-making

## AI for Smart Cities and Infrastructure

* + AI-driven urban planning and sustainable city management
  + AI for disaster prediction, response, and resilience
  + AI-powered green construction, smart buildings, and energy-efficient architecture
  + AI-driven sustainable transportation, logistics, and mobility

## AI in Advanced Manufacturing and Industrial Sustainability

* + AI for smart factories, energy-efficient production, and predictive maintenance
  + AI in sustainable material science and eco-friendly product design
  + AI-driven automation for green manufacturing and waste reduction

## AI & Emerging Technologies for a Sustainable Future

* + AI in quantum computing for sustainability solutions
  + AI-driven IoT and edge computing for energy efficiency
  + AI-powered blockchain for transparent and sustainable practices
  + AI for next-generation communication networks and 6G

# Conference Structure

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| Day | Time | Event |
| **1** | 08.00 - 09.00 | Registration & Welcome Reception |
| 09.00 - 09.30 | Inaugural Ceremony |
| 09.30 - 10.00 | Keynote Address 1 |
| 10.15 - 10.30 | Networking Tea & Interactive Session |
| 10.30 - 12.30 | Technical Session 1 |
| 12.30 - 1.30 | Lunch & Informal Discussions |
| 01.30 - 4.15 | Poster Exhibition & Interactive Presentations |
| 04.15 - 04.30 | Refreshment Break |
| **2** | 09.00 - 10.00 | Keynote Address 2 |
| 10.00 - 12.30 | Technical Session 2 |
| 12.30 - 1.30 | Lunch & Collaborative Discussions |
| 1.30 -2.00 | Panel Discussion: Insights from Editors |
| 2.00 – 3.30 | Technical Session 3 |
| 3.30 – 4.30 | Valedictory Ceremony & Closing Remarks |

1. **Call for Papers & Submissions**

## Submission Guidelines:

* + Original and unpublished research papers related to AI and sustainability.
  + Papers must follow [specified] format (e.g., IEEE/Elsevier/Springer/AIP).
  + Submission deadline: **31st March 2025**
  + Accepted papers will be published in Scopus Indexed conference proceedings/journals.

# . Expected Outcomes

* + High-impact research publications and knowledge exchange
  + New collaborations and interdisciplinary research opportunities
  + Real-world AI applications and sustainable solutions
  + Policy recommendations and industry roadmaps for AI in sustainability
  + Increased awareness and global networking among stakeholders

# Organizing Committee

### Conference Chair:

* + - Dr. Mangala Shetty, Associate Professor, Dept. of MCA, NMAMIT, Nitte
    - Dr. Shashank Shetty, Assistant Professor GD-III, Dept. of CSE, NMAMIT, Nitte

### Advisory Board:

* + - Dr. Praveenkumar Shetty, Director (R & D), Nitte DU
    - Dr. Vijeesh V, Associate Director (R&D), NITTE Off-Campus Centre
  + **Review Panel:** Peer-review committee for research paper evaluations
  + **Technical Program Committee:** Experts from AI & Sustainability Fields
  + **Logistics & Outreach Team:** Handling registrations, promotions, and venue arrangements

# Registration Categories & Fees

**Approximate Registration Fees (Tentative)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Category** | **Early Bird (₹)** | **Regular (₹)** | **Late/On-Spot (₹)** |
| **UG/PG Students** | 1,500 – 2,000 | 2,000 – 2,500 | 2,500 – 3,000 |
| **Research Scholars** | 2,000 – 3,000 | 3,000 – 3,500 | 3,500 – 4,000 |
| **Academicians** | 3,000 – 4,000 | 4,000 – 5,000 | 5,000 – 6,000 |
| **Industry Professionals** | 5,000 – 6,000 | 6,000 – 7,000 | 7,000 – 8,000 |
| **International Participants (USD)** | 100 – 120 | 120 – 150 | 150 – 180 |

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| Welcom Kit - 1 Jute Bag (Approx. Rs. 25,), 1 Book (Approx. Rs. 80), 1 Pen(Approx Rs. 10), 1 ID + Lanyard (Rs. 30), 1 Printed Schedule (Approx Rs. 20), 1 Custom Eco Friendly Bottle (Approx. Rs. 200), Certificate (Rs. 10) ~ Rs. 380 /per kit |