

# REPORT

on

2025 International Conference

:

## “Responsible, Generative and Explainable AI (RESGENXAI)”

Date : 10<sup>th</sup> – 12<sup>th</sup> September, 2025



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**Centurion University of Technology and Management**

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**IEEE Kolkata Section,  
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Chapter, (CH10943)**

# Introduction :

Centurion University of Technology and Management (CUTM), Odisha, in association with IEEE, proudly organized the **2025 International Conference on Responsible, Generative and Explainable AI (RESGENXAI-2025)**. This premier, **three-day** international conference was held in a hybrid mode from **10<sup>th</sup> to 12<sup>th</sup> September**, with the physical event taking place in **Hall No. 6** of the Aryabhata Building. The conference, bearing IEEE Conference Record **#64788**, served as a significant global platform for leading **academicians, researchers, and industry practitioners** to advance dialogue, innovation, and collaboration in the fields of Responsible and Generative AI. This esteemed conference attracted a remarkable **671** submissions from **8** countries, including **India, Indonesia, Ghana, Oman, Portugal, the UK, the US, and Saudi Arabia**. Following a rigorous peer-review process by over **300** industry experts, **65** papers were accepted, reflecting an exceptional acceptance rate of **9.7%**. This stringent selection ensures that the conference proceedings, to be published in **IEEE Xplore** and indexed in **SCOPUS**, represent the highest-quality contributions to the field. The event was technically sponsored by the **IEEE Kolkata Section, IEEE Bhubaneswar Section, and the IEEE Communications and Computer Societies Joint Chapter, CH10943**.

# Objectives :

- To provide a premier international forum to discuss the latest innovations in Responsible, Generative, and Explainable AI.
- To foster global collaboration and networking among academics, researchers, and industry leaders.
- To explore the ethical and societal impacts of advanced AI.
- To showcase high-quality, cutting-edge research through technical presentations.
- To bridge the gap between academic research and industry application via expert keynotes and tutorials.

**RESGENXAI**  
IEEE Conference #64788 |  
**Welcome**  
to  
**2025 International Conference**  
on  
**Responsible, Generative and Explainable AI**  
10<sup>th</sup> - 12<sup>th</sup> September 2025  
Venue: Hall No. 6, Aryabhata Building

**CHIEF GUEST**  
**PROF. SANKAR K. PAL**  
Honorary Science Chair, IITB, Conf. of India  
President, National Spelling Bee

**GUESTS OF HONOUR**  
**PROF. A. N. TIRTHATHY**  
Adj. Prof., IEEE Bhubaneswar Section  
Faculty, Indian Institute of Technology, Kharagpur  
**PROF. (DR.) GANAPATI PANDEY**  
Honorary Member  
C.V. Raman Global University, Bhubaneswar  
**PROF. H. K. RATHA**  
Hon. Chair, IEEE Bhubaneswar Section  
Faculty, Indian Institute of Technology, Kharagpur

**KEYNOTE SPEAKERS**  
**DR. SUDIIPAN SAHA**  
Assistant Professor  
IIT Delhi  
**MR. ABHISHEK AGRAWAL**  
Software Engineering Professional  
(Australia)  
**MR. PREET YADAV**  
IEEE Conf. Series Chair  
President, Delhi Section, IEEE Chapter Chair  
**MR. PRAVEEN GUPTA BANERJEE**  
IEEE Professional  
MBA (Finance)  
**DR. PRASHANT JOSHI**  
Professor, IIT  
Delhi

**PARTICIPANTS**  
India, Indonesia, Ghana, Oman, Portugal, USA, UK

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in association with IEEE

Technical Sponsors:  
**IEEE Bhubaneswar Section**  
**IEEE KOLKATA SECTION**  
**IEEE COMMUNICATIONS AND COMPUTER SOCIETIES JOINT CHAPTER, CH10943**

## Key Activities :

The conference schedule was meticulously planned over three days, featuring an inaugural ceremony, keynote addresses by globally renowned experts, a tutorial session, multiple technical paper presentation tracks, a panel discussion, and networking events.

- **Day 1 : (10th September 2025)**

The conference commenced with a grand **Inaugural Ceremony**. The Chief Guest and the Guests of Honour were called to the dais to officiate the proceedings. Following this, the traditional lamp lighting ceremony was performed by the esteemed guests and speakers, symbolizing the illumination of knowledge. The Chief Guest and the Guests of Honour were then felicitated for gracing the occasion, followed by the felicitation of the keynote speakers.

- **Address by VC: Prof. (Dr.) Supriya Pattanayak**, Vice Chancellor, CUTM, delivered the welcome speech. She eloquently set the tone for the conference, emphasizing the university's commitment to fostering innovation and the critical importance of responsible AI development for a sustainable future.
- **Address by Keynote Speaker: Shri Preet Yadav**, Head India Innovation Ecosystem, NXP (Chairperson, IEEE CASS Delhi). He highlighted the crucial role of the semiconductor industry in powering the AI revolution and spoke about the need for synergy between hardware innovation and AI research.
- **Address by Guest of Honour: Shri Hare Krishna Ratha**, Former Director, ITR Chandipur (Past Chair, IEEE Bhubaneswar Subsection). He shared his vast experience, encouraging the young researchers to pursue excellence and contribute meaningfully to the nation's technological advancement.
- **Address by Guest of Honour: Shri Ashok Kumar Tripathi**, Former Director General of the CPRI, Bangalore, (Advisor, IEEE Bhubaneswar Section). He discussed the transformative impact of AI on the energy sector and stressed the importance of explainability in critical infrastructure.
- **Address by Guest of Honour: Prof. (Dr.) Ganapati Panda**, Former Dy. Director, IIT Bhubaneswar (Advisor, IEEE Bhubaneswar Section). He provided deep insights into the evolution of AI and machine learning, inspiring the audience with his vision for the future of intelligent systems in India.

- **Address by Chief Guest: Prof. (Dr.) Sankar K Pal**, National Science Chair, SERB, Govt. of India (President, Indian Statistical Institute). He delivered a powerful address on the global AI landscape, underlining India's potential to become a leader in creating ethical and human-centric AI.

The inaugural session concluded with a **Vote of Thanks** by **Convenor Prof. (Dr.) Sujata Chakravarty**, Professor and Dean, SoET, CUTM. She expressed her sincere gratitude to all the **dignitaries, sponsors, and participants** for their invaluable contributions to the conference.

### **Keynote Sessions:**

- **Keynote by Prof. (Dr.) Sankar K Pal:** His session delved into the theoretical foundations of Explainable AI (XAI). He presented novel frameworks for making complex machine learning models more transparent and interpretable.
- **Keynote by Dr. Sudipan Saha, IIT Delhi:** Dr. Sudipan 's talk focused on the challenges and opportunities in building responsible generative models. He showcased state-of-the-art techniques to mitigate bias and ensure fairness in AI-generated content.
- **Keynote by Shri Preet Yadav, NXP:** Shri Preet provided an industry perspective on the hardware requirements for next-generation AI. He discussed the co-design of algorithms and hardware to achieve greater efficiency and performance.
- **Keynote by Prof. Prashant Johri, Galgotias University, U.P.:** Prof. Prashant 's session explored the practical applications of generative AI across various domains. He presented compelling case studies on how these technologies are driving innovation and solving real-world problems.
- **Tutorial by Shri Abhishek Agarwal, Amazon, US and Shri Praveen Gupta Sanka, Meta, US** was conducted virtually. This hands-on session provided participants with practical skills in deploying and managing large-scale AI models in cloud environments, offering invaluable industry insights.

This was followed by a thought-provoking **Panel Discussion** where experts debated the future of AI ethics and governance.

In the evening, the **6th Executive Council Meeting of the IEEE Bhubaneswar Section** was held from **5:00 PM to 7:00 PM** in the **Board Room**, Aryabhata Building. The meeting welcomed **EXCOM members** from various prestigious institutions and industries across Odisha. They discussed strategic initiatives, membership growth, and planned future technical activities to strengthen the IEEE's presence and impact in the region, fostering a collaborative spirit among the section's leadership.

The day concluded with a **Gala Dinner**, which provided a relaxed and informal setting for attendees. It served as an excellent opportunity for networking, allowing students, researchers, and industry leaders to connect and build lasting professional relationships.

- **Day 2 (11th September 2025)**

The second day was dedicated to the core of the academic exchange, with parallel tracks of **Technical Paper Presentations** running from morning until evening. Researchers and scholars from around the world presented their peer-reviewed papers, covering a vast spectrum of topics within **Responsible, Generative, and Explainable AI**. These sessions facilitated in-depth discussions, rigorous academic debate, and the sharing of innovative ideas, forming the intellectual heart of the conference. The diverse range of topics ensured a rich cross-pollination of ideas among different research sub-fields.

- **Day 3 (12th September 2025)**

The final day continued the academic momentum with three more parallel tracks of **Technical Paper Presentations**, showcasing the breadth and quality of the research submitted to the conference. The presentation sessions concluded midday, leading into the **Valedictory Ceremony**. This concluding session summarized the key outcomes and highlights of the three-day event, acknowledged the outstanding contributions of presenters with Best Paper Awards, and officially closed the conference. The event formally ended with lunch, providing a final opportunity for participants to network and reflect on the insights gained.

### **Interactive Q&A:**

Across all sessions, a significant amount of time was dedicated to **Interactive Q&A**. This was a vital component of the conference, allowing attendees to directly engage with keynote speakers, paper presenters, and panelists. These lively discussions clarified complex topics, challenged assumptions, and sparked new research questions, making the learning experience deeply collaborative and enriching for everyone involved.

## Key Highlights :

- **Prestigious Platform:** The conference was a premier international event with an exceptional paper acceptance rate of 9.7%, underscoring the high quality of the research presented.
- **Global Participation:** The event successfully brought together delegates from 8 different countries, creating a truly international gathering.
- **Distinguished Speakers:** The conference featured keynote addresses and a tutorial by globally renowned experts from academia (Indian Statistical Institute, IIT Delhi) and industry (Amazon, Meta, NXP).
- **Hybrid Mode:** The conference was conducted in a hybrid format, allowing for both physical and virtual participation, which broadened its reach and accessibility.
- **High-Quality Proceedings:** All accepted papers will be published in IEEE Xplore and indexed in SCOPUS, ensuring a lasting impact on the academic community.

## Key Outcomes :

- **Advancement of Knowledge:** The conference significantly contributed to the advancement of dialogue, innovation, and collaboration in the fields of Responsible and Generative AI.
- **Enhanced Networking:** The event provided invaluable networking opportunities for attendees, fostering connections between leading academicians, researchers, and industry practitioners.
- **Inspiration for Future Research:** The high-level discussions and presentations inspired new research directions and collaborations among the participants.
- **Publication of High-Impact Research:** The conference proceedings, featuring 65 high-quality papers selected from 671 submissions, will be published in IEEE Xplore and indexed in SCOPUS, creating a lasting contribution to the field of AI.

## Future Scope :

The remarkable success of **RESGENXAI-2025** has paved the way for future initiatives in the dynamic fields of **Responsible, Generative, and Explainable AI**. Building on the momentum from this conference, the organizing committee envisions several future directions. The first is to establish **RESGENXAI** as an annual flagship event, creating a consistent platform for the **global AI community** to share their latest research. Future editions will also feature expanded research tracks, including specialized topics like AI for Social Good and the intersection of AI with other scientific disciplines. The conference highlighted a strong interest from **industry leaders** in collaborating with **academic researchers**, and we plan to introduce dedicated **workshops** and **collaborative research projects** to further this synergy. Finally, the discussions on responsible AI have opened up the possibility of forming a global consortium on **AI ethics**, which would bring together **researchers, policymakers, and industry leaders** to develop and promote ethical guidelines for **AI development**.

## Feedback from Participants:

The **RESGENXAI-2025** conference received overwhelmingly positive feedback from **participants**, who praised the high quality of the technical sessions and the exceptional **networking opportunities**. Attendees particularly appreciated the diverse range of speakers, from renowned academics to **industry leaders** from companies like **Amazon** and **Meta**. Many participants noted that the conference provided a unique platform for **cross-disciplinary** collaboration, and the insights gained from the keynote addresses and panel discussions were invaluable. The seamless organization of the hybrid event was also a recurring point of praise, with both in-person and virtual attendees reporting a smooth and engaging experience. The conference was widely regarded as a must-attend event for anyone working in the field of **AI**, and many expressed their eagerness to attend future editions.

# Acknowledgements :

We extend our deepest gratitude to the Centurion University of Technology and Management (CUTM) for their unwavering support. Our sincere thanks go to IEEE and our esteemed technical sponsors: the **IEEE Kolkata Section**, **IEEE Bhubaneswar Section**, and the **IEEE Communications and Computer Societies Joint Chapter (CH10943)**. We are profoundly grateful to our esteemed dignitaries: Chief Guest **Prof. (Dr.) Sankar K. Pal**, Guests of Honour **Prof. A. K. Tripathy**, **Prof. (Dr.) Ganapati Panda**, and **Prof. H. K. Ratha**, and our heartfelt appreciation goes to our distinguished keynote speakers: **Dr. Sudipan Saha**, **Mr. Abhishek Agrawal**, **Mr. Preet Yadav**, **Mr. Praveen Gupta Sanka**, and **Dr. Prashant Johri**. Special recognition is due to the Convenor, **Prof. (Dr.) Sujata Chakravarty**, Dean, SoET, CUTM, and the Overall Coordinator, **Mr. Saneev Kumar Das**, Assistant Professor, CSE Dept, CUTM, for their exceptional leadership. We also extend our gratitude to all the **Faculties**, **Staffs**, **Student Coordinators** for the smooth execution of the event. Finally, we thank the **Organizing Committee**, **Reviewers**, **Volunteers**, and all the **Participants** from across the globe whose enthusiastic involvement made this international conference a resounding success.

# Glimpses of the Event :

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Advisor, IEEE Bhubaneswar Section  
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- MR. PREET YADAV**  
IEEE GASS New Delhi,  
Present Delhi Section Joint Chapter Chair
- MR. PRAVEEN GUPTA SANKA**  
Data Scientist,  
Meta (Facebook)
- DR. PRASHANT JOHRI**  
Professor, CSE,  
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**PARTICIPANTS**

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