

**ICANTCI-2024**  
**1<sup>st</sup> International Conference on Advanced Network Technologies  
and Computational Intelligence**

*Organized by*

*Department of Computer Applications, Chitkara University, Punjab, India in association with  
City University, Malaysia and University of Wollongong in Dubai, UAE*

on

**April 5-6, 2024**

**\*\*\*\*\* CALL FOR PAPERS \*\*\*\*\***

**SPECIAL SESSION ON**

**Generative AI in Engineering and Technology: Innovations and Applications**

**SESSION ORGANIZERS:**

**Dr. Ajay Rana, Dr. Smita Sharma, Prof. Suman Avdhesh Yadav, Prof. S Vikram Singh**  
Amity University, Greater Noida, Uttar Pradesh  
[Ajay\\_rana@amity.edu](mailto:Ajay_rana@amity.edu) , [smitapandey86@gmail.com](mailto:smitapandey86@gmail.com), [suman.avdheshyadav@gmail.com](mailto:suman.avdheshyadav@gmail.com),  
[Svikram@gn.amity.edu](mailto:Svikram@gn.amity.edu)

**SESSION DESCRIPTION:**

The revolutionary effect of generative AI in reshaping contemporary engineering and technological environments is examined in Generative AI in Engineering and Technology: Innovations and Applications. In-depth research on cutting-edge developments where generative AI is transforming design, optimization, and manufacturing processes is covered in this special session. This presentation explores how AI-driven generative models promote creativity, minimize environmental impact, and improve the efficiency and precision of engineering activities. Topics covered include autonomous systems, materials discovery, and energy efficiency. The newest advancements and applications at the intersection of engineering and generative AI will be revealed to participants, generating new ideas about how AI may transform the future of technology-driven businesses.

**RECOMMENDED TOPICS:**

Topics to be discussed in this special session include (but are not limited to) the following:

- **Generative Design and Optimization**
- **AI-driven prototyping and Rapid Manufacturing**
- **Computer-Aided Engineering (CAE)**
- **Materials Discovery**
- **Autonomous Systems and Robotics**
- **Natural Language Generation for Technical Documentation**
- **Human-Machine Collaboration**

- **Generative AI for Energy Efficiency**

**SUBMISSION PROCEDURE:**

Researchers and practitioners are invited to submit papers for this special theme session on [**Generative AI in Engineering and Technology: Innovations and Applications**] *on or before* [November 15, 2023]. All submissions must be original and may not be under review by another publication. INTERESTED AUTHORS SHOULD CONSULT THE CONFERENCE'S GUIDELINES FOR MANUSCRIPT SUBMISSIONS at <https://ca.chitkara.edu.in/icantci2024/#>. All submitted papers will be reviewed on a double-blind, peer-review basis.

**NOTE:** While submitting the paper in this special session, please specify [**Generative AI in Engineering and Technology: Innovations and Applications**] at the top (above paper title) of the first page of your paper as a header.

\* \* \* \* \*