

**7th International Conference on Information
Management and Machine Intelligence (ICIMMI-2025)**

Poornima Institute of Engineering & Technology

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**Special Session: Generative AI for Societal Transformation: Bridging
Intelligence, Infrastructure, and Innovation**

Session Chair: Dr. Aarti Chugh

E-mail: aarti.chugh@iilm.edu

Mobile: 8448706170

Session Co-Chair: Dr. Pooja Batra Nagpal

Email: pooja.nagpal@iilm.edu

Mobile: 96505 50734

Motivation and objective of the special session

Generative AI (GenAI) is rapidly evolving from a research novelty into a transformative force across disciplines. Its ability to learn patterns, generate new content, simulate scenarios, and automate creativity is enabling next-generation solutions in **urban development, education, healthcare, environmental sustainability, governance, and industrial automation**.

The convergence of GenAI with traditional fields—mathematics, engineering, social sciences, and public policy—demands new thinking, models, and collaborations. Whether through city-level decision support systems, personalized education assistants, predictive health diagnostics, or intelligent industrial design, GenAI is redefining how problems are framed and solved.

This special session aims to bring together researchers and practitioners from **multiple disciplines** to share innovations, frameworks, and visions for **societal-scale AI deployment**, rooted in mathematical models, computational intelligence, and ethical design.

Objectives:

1. To explore **cross-domain applications** of Generative AI in Smart Cities, education, healthcare, energy, waste management, environment, law, and creative industries.
2. To highlight **interdisciplinary mathematical and computational frameworks** that power GenAI-enabled systems and simulations.
3. To present case studies and prototypes that demonstrate **scalable, inclusive, and sustainable applications** of GenAI in public and private sectors.
4. To encourage collaboration across AI, mathematics, engineering, policy, and humanities for solving complex societal challenges.

5. To address **ethical concerns, data privacy, explainability, and responsible innovation** in large-scale AI adoption.

Areas covered but not limited to:

- Smart Cities
- Internet of Things (IoT)
- Generative AI in Healthcare
- AI for Waste Management
- AI-Driven Education Systems
- Urban Mobility and Transportation
- Generative Design in Architecture
- Sustainable Energy Optimization
- Environmental Monitoring with AI
- AI in Circular Economy
- Digital Twins and Smart Industry
- Climate Resilience Modeling
- AI for Policy and Governance
- AI in Disaster Management
- Ethical and Responsible AI Systems