ABOUT THE COLLEGE

Founded in 2005 by st.Vincent Educational Society, Samskruti College of Engineering and Technology represents a rich tradition of excellence in technology-based education. A premier-league institution among theaffiliates of JNTUH University, Accredited NAAC wiht 'A' Grade an Autonomous institution .

Samskruti Engineering, Polytechnic, Pharmacy and Business Management Institutions are located in pollution free environment and natural surroundings at Ghatkesar Municipality, Medchal Dist. It is 1 km away from the Hyderabad-Warangal highway and 18 kms from Secunderabad / Hyderabad.

Samskruti College of Engineering and Technology, in its 20 years of existence, is a reputed institution in the State of Telangana. The College Follows the University norms and has required number of faculty in both ratio and cadre wise. SCET has emerged into a center of excellence in engineering education.

ABOUT THE CONFERENCE

Artificial Intelligence (AI) and the Internet of Things (IoT) are two of the most rapidly evolving and interdependent fields of technology. The convergence of these two fields is leading to the creation of an emerging interdisciplinary field, dubbed the Artificial Intelligence of Things (AIoT). The AIoTrepresents the integration of AI technologies into IoT systems and devices, enabling them to interact with their environment in more sophisticated and intelligent ways. By combining IoT with AI, the data collected by distributed nodes can be utilized by applying AI techniques such as machine learning and deep learning. As a result, machine learning capabilities are moved closer to the data source. The SANC AIoT Conference aims to explore the integration of artificial intelligence (AI) technologies into the Internet of Things (IoT) systems and devices, enabling them to interact with their environment in more sophisticated andintelligent ways. The conference will focus on the following areas:

·AIoT Architectures, Frameworks, and Algorithms: Developing novel AIoT architectures, frameworks, and algorithms for deploying state-of-the-art machine learning and deep learning algorithms on IoT and edge devices, realising the so-called Edge AI or Edge Intelligence;

AIoT Applications: Identifying and exploring new AIoT applications, including healthcare, smart homes, industrial automation, transportation, and digital agriculture;

·Standards and Interoperability: Developing standards and protocols for AIoT systems and ensuring interoperability between different platforms and devices; and

·Ethics and Security: Addressing ethical and security concerns related to AIoT, such as privacy, transparency, and accountability.
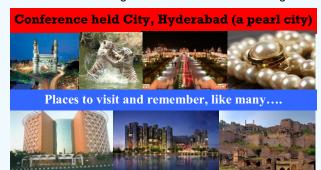
CALL FOR PAPERS

The organizing committee invites papers from academicians and sci-entists. Both review and research articles are welcome. A full paper of six pages, including figures and tables, of an A4 size sheet should be sent by email to**smncaiot@samskruti.ac.in**

The status (selected/not selected) of the paper will be intimated to corresponding author after peer review. The full papers thus submit-ted will be included either for oral presentation or poster presentation at the discretion of the selection panel.

The scope of the conference include all the following areas but notlimited to:

- Edge Computing and Intelligence in AI and IoT
- Machine Learning for IoT Applications
- Mobile deployment of Large Language Models (LLMs)
- LLMs for AIoT applications
- Smart Cities: AI and IoT Solutions
- Security and Privacy in AI-driven IoT Systems
- 5G and its Impact on AI and IoT
- Blockchain Technology for Securing IoT Devices
- Human-Machine Interaction in IoT Environments
- IoT Sensors and Actuators: Innovations and Advances
- AI-driven Predictive Maintenance in IoT
- Energy-Efficient AI Algorithms for IoT Devices
- IoT in Healthcare: Applications and Challenges
- Industrial IoT (IIoT) and AI for Manufacturing
- Smart Agriculture: AI and IoT in Precision Farming
- Ethical Considerations in AI-powered IoT Systems
- IoT Standards and Interoperability
- Robotic Process Automation (RPA) in IoT
- AI-driven Automation in Supply Chain Management
- IoT Analytics and Big Data Processing
- AI in Edge Devices: Challenges and Solutions
- Wireless Sensor Networks in AI and IoT
- IoT for Environmental Monitoring and Sustainability
- AI and IoT in Transportation and Logistics
- Cross-domain Integration of AI and IoT Technologies

Conference held City, Hyderabad (a pearl city)

Places to visit and remember, like many….

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IMPORTANT DATES

Submission of full paper: **10ᵗʰ November 2024**
Intimation about acceptance: **15ᵗʰ November 2024**
Submission of revised paper: **20ᵗʰ November 2024**
Last date for registration: **26ᵗʰ November 2024**

SPONSORSHIP

Organizations are requested to sponsor this conference by contributing **Rs 20,000/-** and above. The contribution will be acknowledged at suitable places.

PROCEEDINGS AND SOUVENIR

The proceedings of the conference made available in pdf forms. The conference souvenir, with abstracts of all papers, will include advertisements also. Tariff for advertisement in the souvenir:

Outside back cover : **50,000/-**
Inside cover page   : **40,000/-**
Full page   : **30,000/-**
Half page   : **15,000/-**

Please note that organizing committee may refuse to publish an advertisement, if it is felt that it is not in the public interest.

Registration for Presenters/Participants:*

*Includes: Proceeding publication charges, Conference kit, refreshments, and lunch on conference days

Industry and R&D	Rs. 1500.00
Academician	Rs. 1200.00
Scholar (PhD & PG)	Rs. 1000.00
UG student	Rs. 700.00
Participant	Rs. 500.00

Accommodation and TA are not included

For more information, contact

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Prof. K. Shiva Kesava Reddy -+91 8309755565

Email: smncaiot@samskruti.ac.in

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GHATKESAR BRANCH

Samskruti National Conference on Artificial Intelligence of Things (SMNCAIoT-2024)

November 29-30, 2024

Organized by

Samskruti College of Engineering and Technology

Ghatkesar, Medchal Dist, Hyderabad 501301 TELANGANA, INDIA.

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