



# 7th International Conference on Computing, Communication and Automation (ICCA 2025)

Conference Record Number: 66364

Financially & Technically Sponsored by IEEE Uttar Pradesh Section, IEEE IAS Society

**28<sup>th</sup> - 30<sup>th</sup> November, 2025**

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## Important Dates

Call for paper — 25 April, 2025

A Last Date of Submission — 17 Sep, 2025

Notification of Acceptance — 07 Oct., 2025

Final Camera Ready Paper — 16 Oct., 2025

Registration Deadline — 20 Oct., 2025



1. All the accepted and presented papers will be published in the form of e-proceedings and will be submitted to IEEE Xplore Digital Library (indexed in SCOPUS, Google Scholar and other major indexing)

Presented papers will be considered for further review and publication in IEEE Transactions on Industry Applications and IEEE Industry Applications Magazine.

## Registration Fees

Category	Early Bird (IEEE)	Early Bird (Non-IEEE)	Standard (IEEE)	Standard (Non-IEEE)
Indian Author (Academia/Industry)	₹9500	₹10620	₹10620	₹11800
Indian Student Author	₹7080	₹8260	₹8260	₹8850
Indian Student Attendee (Non-Author)	₹3540	₹4130	₹4130	₹4720
Indian Professional Attendee (Non-Author)	₹5900	₹6490	₹6490	₹6490
Tutorial Only (Indian Student)	₹500	₹750	₹750	₹1000
Foreign Author (Academia/Industry)	\$350	\$400	\$400	\$450
Foreign Student Attendee (Non-Author)	\$100	\$150	\$150	\$200
Foreign Professional Attendee (Additional Page)	\$15/Page	\$15/Page	\$15/Page	\$15/Page
Indian Professional Author/Attendee (Additional Page)	₹1000/Pg	₹1000/Pg	₹1000/Pg	₹1000/Pg
Foreign Author Attendee (Non-Author)	\$150	\$200	\$200	\$250
Tutorial Only (Foreign Student)	\$15	\$30	\$30	\$50



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2025 3<sup>rd</sup> International Conference on Communication, Security, and Artificial Intelligence

Galgotias University Greater Noida, India

Venue: Plot No.2, Sec. 17A, Yamuna Expy, Greater Noida, India (203201)





# 7th International Conference on Computing, Communication and Automation (ICCCA 2025)

28<sup>th</sup> - 30<sup>th</sup> November, 2025

## Tracks For ICCCA 2025

### Track 1: ICCCA2025

Cloud, Edge, and Fog Computing for scalable systems; AI and Machine Learning for computational intelligence; Quantum Computing applications and challenges; Blockchain and decentralized technologies in automation; High-Performance Computing (HPC) and Big Data Analytics; 5G/6G networks and next-generation communication technologies; Satellite, IoT, and Underwater Communication Systems; Secure communication protocols and cybersecurity challenges; Industrial automation, robotics, and smart manufacturing; Intelligent transportation systems and autonomous vehicles; AI and ML in healthcare automation and diagnostics; Human-robot collaboration and Industry 5.0 solutions; Smart cities, IoT networks, and urban computing; Sustainable computing, green technologies, and energy efficiency; and Ethics, privacy, and trust in automation and communication systems.

### Track 2: Applications of AI and ML Techniques to Power Electronics

Predictive maintenance and fault diagnosis in converters, AI-based control strategies, machine learning models for energy efficiency, intelligent battery management systems, AI-driven thermal management, reinforcement learning for dynamic power optimization, and data-driven design and testing of power electronic devices. It aims to highlight how intelligent systems can enhance the performance, reliability, and adaptability of modern power electronics.

### Track 3: Industry 5.0 Applications for Sustainability

Human-centric AI for sustainable manufacturing, digital twins for greener production, cobots for eco-friendly processes, and smart energy management in factories. It also covers sustainable supply chain optimization using AI, personalization with minimal waste, and integrating renewable energy into industrial systems. The goal is to show how Industry 5.0 principles drive a balance between automation, human creativity, and sustainability to create more resilient industrial ecosystems.

### Track 4: Artificial Intelligence and Soft Computing in Power, Energy, Communication, and Security Systems

Neural networks for smart grid control, fuzzy logic for energy management, AI-driven cybersecurity for infrastructure, soft computing in sensor networks, evolutionary algorithms for power distribution, AI for network anomaly detection, and hybrid models enhancing system security and stability. It highlights innovations making infrastructure smarter, safer, and more adaptive to dynamic challenges.

### Track 5: Power Supplies for Datacenter, Telecom & Autonomous Systems

high-efficiency DC-DC converters for datacenters, intelligent UPS systems for telecom, power delivery for AI and HPC workloads, energy harvesting for autonomous systems, thermal management strategies, backup battery technologies for telecom, and renewable energy integration for off-grid networks. The session will explore innovations ensuring reliable, efficient, and sustainable power delivery for the next generation of digital and autonomous systems.

## About galgotias university

Galgotias University stands at the forefront of academic excellence, research, and innovation. With a vibrant community of over 40,000 students enrolled across more than 100 undergraduate and postgraduate programs, we are driven by a mission to nurture future-ready leaders capable of making a global impact. Hosting ICCCA 2025 reflects our unwavering commitment to fostering knowledge exchange, interdisciplinary collaboration, and innovation. Our dedication to quality has earned us NAAC A+ accreditation with an impressive 3.37/4 score. We proudly In Times Higher Education (THE) Asia Universities Rankings 2025 ranks 501-600 in Asia, Times Higher Education (THE) World University Rankings 2025 ranks 45th among Top Indian Universities (both Gov't & Private) and 1001-1200 globally. Galgotias University is also ranked 12th in India for research excellence THE Impact (Sustainability) Rankings 2024— 201-300 in the world for SDG 1, 14, 15 & 301-400 in the world for SDG 2, 12, 13, 16 Times Higher Education (THE) Interdisciplinary Science Rankings 2025 — in 401-500 band worldwide. Ranks 187th in Southern Asia by QS, Ranks 621-640 QS Asian University Rankings, QS Star Rating – 5 Star in in Teaching, Academic Development, Innovation, Employability & Facilities, QS I-Gauge Subject Rating - Platinum – Engineering, Agricultural Sciences , Pharmacy, Hospitality Management, Law & Legal Studies & Journalism & Media Studies.