



# ACS COLLEGE OF ENGINEERING

Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi & Govt. of Karnataka

#207, Kambipura, Mysore Road, Bengaluru – 560 074



DEPARTMENTS OF ASE, AE, AI & ML, BME, CSE, CSE: CY, DS, IoT, ECE & MECH ENGINEERING

## INTERNATIONAL CONFERENCE ON ADVANCES IN COMPUTING SYSTEMS COMMUNICATION AND NETWORKING (ACSCON - 2026) on 29<sup>th</sup> & 30<sup>th</sup> May, 2026

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### ABOUT ACSCE

ACS College of Engineering, an institution of academic excellence was established in the year 2009 under the aegis of Moogambigai Charitable and Educational Trust (MCET), Bengaluru. The College is located in a beautiful lush green landscape, free from polluted environment and excellent atmosphere and ambience ideally suited for growth of the soul and mind. It is located behind RRMCH on the Bengaluru-Mysore Highway 15 Km from the Bengaluru City Railway Station and 2 Km from Kengeri Railway Station. The College is affiliated to Visvesvaraya Technological University, Belagavi and has been approved by the All India Council of Technical Education, New Delhi. The College offers a wide range of Undergraduate courses in Computer Science and Engineering, Data Science, Cyber Security, IoT, AI and ML, Aeronautical Engineering, Aerospace Engineering, Bio Medical Engineering and Mechanical Engineering. Post Graduate courses in CSE, Structural Engineering, Business Administration, Computer Applications and Research Programs all branches of Engineering and Science are also offered. The UG Courses in CSE, Aeronautical Engineering, Aerospace Engineering, ECE and Bio-Medical Engineering are accredited by the National Board of Accreditation. The Institution is also accredited by NAAC with A Grade. All the departments are equipped with state-of-the-art infrastructure and well qualified and experienced faculty members, Centres of Excellence and Research Centres. Innovative teaching and learning processes are adopted and the College has an excellent placement record where almost 90% of the eligible students get suitable placement offers from reputed industries.

### ABOUT ACSCON-2026

ACSCE has adopted a multi-disciplinary approach to invite original research articles in all the engineering disciplines ranging from CSE and allied courses, ECE, Aeronautical, Aerospace, Biomedical and Mechanical Engineering. ACSCON-2026 is a premier forum dedicated to presenting cutting-edge research and innovative practices at the dynamic intersection of computing, systems engineering, communication, and networking. As digital transformation accelerates across all sectors, the convergence of these core disciplines is becoming the bedrock of next-generation technological solutions. ACSCON-2026 will address the complex challenges and vast opportunities in building smarter, faster, more secure, and interconnected systems that will define the future.

### CORE TRACKS & FOCUS AREAS

ACSCON-2026 is structured around integrated tracks that reflect the synergy of its foundational pillars:

#### 1. Intelligent Computing & Systems:

- Next-Generation Architectures: Cloud, Edge, Fog, and Quantum Computing.
- AI and Machine Learning: Distributed AI, Federated Learning, and AI-driven system optimization.
- High-Performance and Real-Time Embedded Systems.
- Cyber-Physical Systems and Digital Twins.

#### 2. Advanced Communication & Networking:

- The 6G Vision: Terahertz Communication, Ultra-Massive MIMO, and Integrated Sensing.
- Software-Defined Networking (SDN) and Network Function Virtualization (NFV).
- Satellite and Non-Terrestrial Networks (NTN) for global coverage.
- Low-Power Wide-Area Networks (LPWAN) for massive IoT.

#### 3. Security in a Hyperconnected World:

- Zero-Trust Architectures and Post-Quantum Cryptography.
- AI-Powered Threat Intelligence and Network Resilience.
- Security and Privacy for IoT, Edge, and Critical Infrastructure.

#### 4. Domain-Specific Applications & Convergence:

- Smart Cities & IoT: Industrial IoT, Smart Grids, and Urban Digital Twins.
- Aerospace & Aeronautics: UAV Swarm Networks, Avionics Data Networks, and Space-Air-Ground Integration.
- Healthcare & Biomedical Engineering: Medical IoT, Secure Telemedicine, and AI-assisted Diagnostics.
- Automotive & Mechanical Systems: Connected Autonomous Vehicles (CAV), V2X Communication, and Smart Manufacturing.

### CALL FOR PAPERS

ACSCON-2026 invites papers but not limited to the following areas:

- High-Performance & Distributed Systems
- Edge/Cloud Computing Infrastructure
- Embedded & Real-Time Systems
- Software-Defined Networking (SDN) & Network Function Virtualization (NFV)
- Quantum Computing & Networks
- Human-Computer Interaction & Ubiquitous Computing
- Big Data Architecture & Stream Processing
- Data Visualization & Analytics Platforms
- Time-Series & Sensor Data Analytics
- Data Mining & Knowledge Discovery
- Data Governance & Federated Learning for Data Privacy
- AI-Driven Threat Detection & Incident Response
- Blockchain for Secure Networking
- IoT/Cloud Security & Zero-Trust Architecture
- Privacy-Enhancing Technologies (PETs)
- Critical Infrastructure & Network Resilience
- Low-Power Wide-Area Networks (LPWAN, NB-IoT)
- Edge Intelligence & TinyML
- Wireless Sensor Networks & RFID Systems
- IoT Security & Device Identity Management
- Digital Twins & IoT Simulation
- Federated Learning & Distributed AI
- Explainable AI (XAI) for Network Management

- Reinforcement Learning for Network Optimization
- Natural Language Processing (NLP) in Communication Systems
- AI-Driven Resource Allocation in 5G/6G
- Aviation Communication Systems (SATCOM, VHF Data Link)
- Autonomous Flight Systems & AI-Based Control
- Aircraft Data Networks & Onboard Computing
- UAV Communication & Swarm Networking
- Aero-MACS & Next-Gen Air-Ground Communication
- Satellite Communication & Networking (LEO/MEO/GEO Constellations)
- Spacecraft Autonomy & On board Processing
- Inter-Satellite Links & Space Internet
- Cyber Security for Space Systems
- Mission-Critical Computing in Space
- Medical IoT & Wearable Health Devices
- Secure Transmission of Medical Data
- AI in Medical Imaging & Diagnostic Systems
- Telemedicine & Remote Patient Monitoring Networks
- Biomedical Signal Processing & Communication
- Industrial IoT & Predictive Maintenance
- Digital Twins for Smart Manufacturing
- Robotics Communication & Control Networks
- Vehicle-to-Everything (V2X) Communication
- Smart Grids & Energy Management Systems

### ADVISORY COMMITTEE MEMBERS

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**Publication:** Papers accepted and presented in ACSCON 2026 will be published in IJERT Journal (ISSN: 2278-0181) as Conference Proceedings. A few high quality research papers presented in the Conference will be recommended for publication in Scopus Indexed Journal (Article processing charges as applicable) with the consent of the authors.

REGISTRATION DETAILS	Delegates Category		IMPORTANT DATES	
	Indian	Foreign		
Academicians/Research Scholars	2000 INR	50 USD	Full Length Paper Submission Due : 15 <sup>th</sup> April, 2026	Final Camera Ready Paper Submission
UG/PG Students	1500 INR	40 USD	Acceptance Notification : 20 <sup>th</sup> April, 2026	28 <sup>th</sup> April, 2026
Participants	500 INR	-	Early Bird Registration : 28 <sup>th</sup> April, 2026	Last Date for Registration : 30 <sup>th</sup> April, 2026
* Registration Payment Including GST				

Website: [www.acsce.org/acskon2026](http://www.acsce.org/acskon2026)

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