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Bharath Institute of Science and Technology

School of Electrical Engineering

Organizing a

*National Conference
on*

**“EMERGING ADVANCES IN
COMMUNICATION TECHNOLOGIES”
(NCEACT-2026)**



16.04.26 & 17.04.26



BIHER Auditorium

RESOURCE PERSONS DETAIL



Dr Karthik Chandrasekaran
Assistant professor,
Indian Institute of Information Technology,
Design and Manufacturing, (IIITDM)
Kancheepuram.



Dr. M.Vasm Babu M.E., Ph.D.,
Assistant Professor,
Electronics Engineering, MIT campus,
Anna University, Chennai.



Dr. M I Seyed Mohamed Buhari,
Principal AI Advisor,
Orca AI Solutions, Brunei,
Darussalam.

GUIDELINES TO THE AUTHORS

Authors are invited to submit original and unpublished papers related to the conference themes, in the prescribed format, through the Google Form. All papers must follow the submission guidelines and will be peer-reviewed and evaluated based on originality, technical depth, research depth, correctness, relevance to conference contributions, and readability. Acceptance of the paper will be communicated to the authors by email. Please note that authors of the accepted papers will be allowed to make corrections in accordance with the reviewers suggestions

ABOUT THE INSTITUTION

Sri Lakshmi Ammal Educational Trust was established with a visionary mission to transform higher education in Tamil Nadu. In 1984, under the dynamic leadership of Dr. S. Jagathrakshakan, the Trust founded the Bharath Institute of Science and Technology (BIST), marking a historic milestone as the first self-financing engineering college in the state. This pioneering initiative laid the foundation for the Trust's future ventures in medical, dental, and allied health sciences education.

Continuing its commitment to academic excellence, the Trust established Sree Balaji Dental College and Hospital in 1989. The institution rapidly gained prominence and, in July 2002, was granted the status of a Deemed to be University by the Ministry of Human Resource Development (MHRD), Government of India, under Section 3 of the UGC Act, 1956. This recognition marked the birth of the Bharath Institute of Higher Education and Research (BIHER), under the ambient of which a growing network of prestigious institutions has flourished.

Together, these institutions reflect the Trust's unwavering dedication to providing world-class education. Today, BIHER stands as a premier educational conglomerate, offering multidisciplinary, multicultural, and high-quality education to nearly 20,000 students every year from across the globe.

ABOUT THE SCHOOL

The School of Electrical Engineering, established in 1992, offers two undergraduate programs — B.Tech in Electrical and Electronics Engineering (EEE) and B.Tech in Electronics and Communication Engineering (ECE). In 2003, six postgraduate programs were introduced, followed by Ph.D. programs in both disciplines.

The Department of Electrical and Electronics Engineering (EEE) focuses on power systems, renewable energy, power electronics, control systems, and electric mobility, with advanced laboratories supporting research in embedded systems, power converters, and sustainable energy technologies. Students are encouraged to engage in research and industry-based projects to enhance technical skills. The Department of Electronics and Communication Engineering (ECE) emphasizes communication systems, wireless networks, VLSI design, and the Internet of Things (IoT), offering cutting-edge facilities and a strong research culture that drives innovation in intelligent electronic systems.

Both B.Tech (EEE) and B.Tech (ECE) programs are ABET-accredited, ensuring global standards in education. The school is known for its modern infrastructure, qualified faculty, and research excellence in teaching and service. With strong industry-institute collaborations through consultancy, training, and research projects, the school bridges academia and industry. It fosters a competitive learning environment, motivating students to excel in GATE, CAT, GRE, and TOEFL, while offering excellent placement support that ensures success in academia, industry, and research.

ABOUT THE CONFERENCE

Emerging communication technologies are transforming how information is exchanged. The rollout of 5G and research into 6G deliver ultra-high speeds, low latency, and massive connectivity, enabling smart cities, autonomous vehicles, and remote healthcare. The Internet of Things continues to expand across industries, supported by low-power networks and edge computing for real-time data processing. Artificial intelligence optimizes network performance and enhances human-machine interaction. Software-defined networking increases flexibility, while advances in encryption, blockchain, quantum communication, and satellite systems improve security, reliability, and global connectivity, and support inclusive digital transformation worldwide for modern societies.

Contact:

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CONFERENCE TRACKS

Topics include, but are not limited to:

1. Next-Generation Wireless Networks (5G and 6G) Under this track, the conference will explore ultra-high data speeds, low latency, massive device connectivity

- Antenna for 5G/6G
- NMOS RF circuit design
- 5G Network Architecture and Design
- AI and Machine Learning in 5G/6G Networks
- Quantum Communication and 6G
- Security in 5G/6G Networks

2. Internet of Things (IoT) and Signal Processing

This track showcases innovations and research in the field to connect billions of devices across industries, enabling real-time signal processing and automation.

Key areas include:

- IoT and sensor networks
- IoT for Smart Cities and Sustainable Urban Development
- Healthcare IoT (IoMT): Remote Monitoring and Smart Medical Systems
- Industrial IoT (IIoT) and Industry 4.0 Applications
- Signal and image processing
- Speech/Video signal processing
- Smart Grids to Smart Roads: IoT in Electric Mobility

3. Network Technologies and Security This track highlights optimizing network performance and traffic management, and Quantum communication protects data and ensures secure communication systems.

Topics covered include:

- Adhoc and Sensor Networks
- Cybersecurity and Network Defense Mechanisms
- Software-Defined Networking (SDN) and Network Virtualization
- Cellular and Broadband wireless networks
- Advanced Routing algorithm
- Mobile Network and Wireless LAN
- Next-Gen Networks Driving Clean Energy

Be a part of NCEACT-2026, where 5G/6G, IoT, satellite communication, and network security converge to shape the future of intelligent, secure, and connected digital ecosystems.

PAPER FORMAT

Papers submitted to NCEACT- 2026 should follow the standard IEEE manuscript template for conferences, with a minimum of three pages and a maximum of six pages.

Manuscript format link:
<https://www.ieee.org/conferences/publishing/templates>

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Associate Professor, Department of CSE,
Dayananda Sagar University,
Karnataka.

IMPORTANT DATES

Call for Papers Starts : 25.02.26

Final Paper Submission : 30.03.26

Acceptance notification : 12.04.26

Submit full manuscript via

Mail ID : nceact2026@gmail.com

Manuscript format link : <https://forms.gle/a4q6sXUJPimEdZ8u9>

REGISTRATION DETAILS :

Registration Link : <https://forms.gle/Va32hC2yMwuKPCwY6>

Registration Fee: Rs. 500/-

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Account Number : 4557002100003104
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PAYMENT QR

