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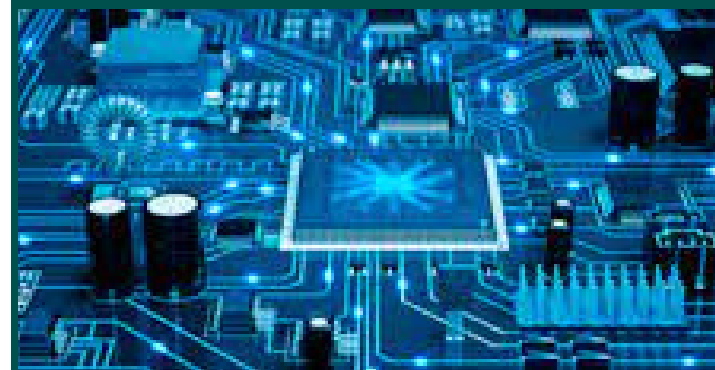


# MUTHAYAMMAL ENGINEERING COLLEGE

An Autonomous Institution  
(Approved by AICTE, New Delhi, Accredited by NAAC & Affiliated to Anna University)

## NATIONAL CONFERENCE ON COMMUNICATION TECHNOLOGIES (NCCT -2023)

29 DECEMBER 2023



Organized by

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING  
**MUTHAYAMMAL ENGINEERING COLLEGE**  
Kakkaveri, Rasipuram, Namakkal District, Tamil Nadu - 637 408

In Association With

The Institution of Electronics and Telecommunication Engineers



&

INDIAN SOCIETY FOR VLSI EDUCATION



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## ABOUT THE INSTITUTE

Muthayammal Engineering College is Located at Rasipuram 25km from Salem and Namakkal, Tamilnadu. Muthayammal Educational Trust and Research Foundation, the Pride of Namakkal, runs the Institutions effectively since 2000. The Congenial and Enhancing Environment of the Institutions is elevated as the epitome of education under the able guidance and patronage of Shri .R. Kandasamy, Chairman and Dr. K. Gunasekaran, M.E., Ph.D, Secretary & Managing Trustee, Muthayammal Educational Trust and Research Foundation. Muthayammal Engineering College has been granted Autonomous Status by University Grants Commission (UGC) with effect from the Academic year 2016-17.

## ABOUT THE DEPARTMENT

The Department of Electronics and Communication Engineering was established in the year 2000 and offers a 4 year B.E ECE Programme and one M.E Programme with the specialization in VLSI Design. The programmes are granted permanent affiliation by Anna University. The BE (ECE) programme is accredited by the National Board of Accreditation (NBA) and the department is recognized as a centre for carrying out Ph.D/M.S. (By Research) Programme by Anna Univeristy, Chennai. The Faculty members are well trained in the areas of Embedded Systems, VLSI, Nanoelectronics, Micro/Nano Electro-Mechanical Systems (MEMS/NEMS), Artificial Intelligence, 4G/5G Networks, Signal and Image processing. The department has established the Centre of Excellence with Texas Instruments (Embedded Systems) and Wipro Technologies (Mission 10X Technology Learning Centre) .

## ABOUT THE CONFERENCE

The communication systems are emerged as back-bone of the entire world with innovative concepts in various segments such as data transmission, medium for signal transmission, antenna elements, hardware systems, data security, and networks and so on. This NCCT 2023 serves as a good platform for researchers, academics, students, innovators, scientists, and industry professionals to come together and discuss the latest developments in Electronics and Communication Engineering. The NCCT 2023 is expected to receive the articles under three tracks named as Communication Theory and Systems, Networks and Applications and Signal Processing Techniques.

## CALL FOR PAPERS

In the view of continuously growing importance of communication systems in almost every field of technology NCCT 2023 is focusing on high quality research papers in the following major disciplines but not limited to.

### ELECTRONICS AND COMMUNICATION

#### Track 1: Communication Theory and Systems

- 5G/B5G/6G wireless communications
- Cognitive and AI-enabled communications
- Detection, estimation, and synchronization techniques
- Device-to-device, M2M, and vehicular communications
- Coding Techniques
- Machine learning for Communication Systems
- Microwave Devices, Antennas and RFIC
- Millimeter-wave and terahertz communications
- Molecular, biological and multi-scale communications
- Optical, Satellite and space communication Systems
- Quantum communications and computing
- Security and privacy issues in communications
- Smart grid and power line communications

#### Track 2: Networks and applications

- 5G/B5G/6G/next-generation networks
- Big data, machine learning and AI for networks
- Cyber-Physical systems / IoT
- Biological and complex networks
- Cloud & fog/edge computing and networking
- Network measurement and analysis
- Network Security and privacy
- Network virtualization
- Networks and services management
- Optical networks and systems
- Quantum Networking
- Sensor and Ad-hoc networks
- SDR and WSN
- Unmanned aerial/terrestrial/underwater/vehicular networks

#### Track 3: Signal Processing Techniques and applications

- Signal processing for security
- Content based indexing
- Radar signal processing
- Adaptive signal processing
- Multimedia applications
- DSP algorithms and architectures
- Speech and audio processing
- Biomedical Signal Processing
- Natural Language Processing
- Machine learning and deep learning
- Pattern Recognition and Representation learning
- Information forensics and security
- Biometrics / Medical Image Processing
- High dimensional signal processing
- Stochastic optimisation
- Sparse signal processing
- Graph signal processing
- Hardware for Signal and Image Processing

## SUBMISSION OF PAPER

Authors are required to submit their original papers in IEEE format (not published or presented earlier) in word format only. The corresponding author must certify that all the data presented in his /her paper has been acquired in keeping with recognized ethical research practices and plagiarism free. The paper acceptance will be send to the corresponding authors for presentation.

Template link : <https://tinyurl.com/5n8r76v2>

## ARTICLE SUBMISSION LINK

<https://tinyurl.com/pekpd5er>

## PROCEEDINGS

All accepted and presented articles will be published in Proceedings with ISBN.

## IMPORTANT DATES

CALL FOR PAPERS	15 November 2023
SUBMISSION DEADLINE	11 December 2023
REGISTRATION	18 December 2023
ACCEPTANCE NOTIFICATION	20 December 2023
CAMERA READY PAPER SUBMISSION	23 December 2023

## REGISTRATION FEE

CATAGORY	IETE MEMBERS	Non-IETE MEMBERS
FACULTY	₹800/-	₹1000/-
INDUSTRY DELEGATES	₹800/-	₹1000/-
RESEARCH SCHOLAR	₹800/-	₹1000/-
STUDENTS	₹600/-	₹800/-

## PAYMENT DETAILS

The registration fees should be paid to the following account.

GPay No: +919442943138  
UPI ID: praveenajuhi-1@okicici

