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CALL FOR PAPERS

We welcome the submission of original and unpublished research papers from researchers and students who are involved in the research on Data Science Artificial Intelligence, Internet of Things, VLSI and Embedded Systems. A substantial amount of research work is ongoing in these knowledge areas, in an attempt to discover appropriate theories and paradigms to use in real-world applications. Much of this important work is therefore theoretical in nature. However there is nothing as practical as a good theory, and some theories have indeed made their way into practice. Informatics applications are pervasive in many areas of Data Science, Artificial Intelligence and Distributed AI, including Agents and Multi-Agent Systems; this conference intends to emphasize this connection, therefore, authors are invited to highlight the benefits of Information Technology (IT) in these areas. Ideas on how to solve problems using Data Science, Artificial intelligence, both in R&D and industrial applications are welcome. Papers describing advanced prototypes, systems, tools and techniques and general survey papers indicating future directions

- ◆ Data Science & Big Data
- ◆ Data Mining
- ◆ Artificial Intelligence
- ◆ Artificial General Intelligence
- ◆ Intelligent Agents
- ◆ Machine Learning
- ◆ Intelligent Applications
- ◆ Deep Learning
- ◆ Neural Networks
- ◆ Cognitive Modeling & Cognitive Systems
- ◆ Computer Vision
- ◆ Signal and Image Processing Applications
- ◆ VLSI Design and Hardware Acceleration
- ◆ Next Generation Wireless Communication (5G/6G Technologies)
- ◆ Internet of Things (IoT)
- ◆ Smart Embedded Systems
- ◆ Electromagnetic Fields
- ◆ Antennas and Microwave Engineering

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Department of Artificial Intelligence and Data Science

&

Department of Electronics and Communication Engineering

Organizes

One Day National Conference on

CONVERGENCE OF ELECTRONICS, COMMUNICATION AND ARTIFICIAL INTELLIGENCE FOR SMART APPLICATIONS

7th April 2026

For further details contact:

Ms. D. Linett Sophia – 9600842473

Dr. P. Brindha – 8300072713

Abstract submission to the Mail:
(Font Style - Times New Roman and Size -12)
conferenceaids@esec.ac.in

CONFERENCE PREAMBLE

The Departments of Artificial Intelligence & Data Science and Electronics & Communication Engineering at Erode Sengunthar Engineering College are pleased to organize the National Conference on "Convergence of Electronics, Communication and Artificial Intelligence for Smart Applications" on 7th April 2026. The conference aims to provide a platform for academicians, researchers, students, and industry professionals to share their research findings and innovations in emerging areas such as Artificial Intelligence, Machine Learning, Electronics, Communication Systems, IoT, Embedded Systems, VLSI Design, Signal and Image Processing, and Next Generation Wireless Technologies. The event emphasizes the integration of intelligent algorithms with modern electronic and communication technologies to develop smart and efficient solutions for real-world applications. Through keynote lectures, invited talks, and technical paper presentations, the conference seeks to foster knowledge exchange, interdisciplinary collaboration, and advancements in intelligent electronic and communication systems.

WHO CAN ATTEND

- UG/PG Students
- Research Scholars
- Faculty members
- Industrialists

MODE OF PRESENTATION

- Offline/Online Presentation

REGISTRATION

Research Scholars/Students : **Rs. 500/-**
Academicians/Faculty : **Rs. 1000/-**
Industry/Others : **Rs. 1500/-**

Team size : Maximum 3 - 4 Authors per paper.

Conference Kit, Certificate, Refreshment and Lunch will be provided

PUBLICATION ETHICS

Authors are requested to submit original papers (not published (or) present earlier) in MS word as well as PDF format to **Email : conferenceaids@esec.ac.in**

The acceptance of the paper implies that at least one of the authors will present the paper. Author interested in Publication of their paper in National conference proceedings will have to bear actual Publication charge at their own. For further details visit conference

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ABOUT THE COLLEGE

Erode Sengunthar Engineering College is an Autonomous Institution, Approved by AICTE, New Delhi and permanently affiliated to Anna University, Chennai. It was established in the year 1996 for the upliftment of urban and rural youth by the philanthropic visionaries of Erode Sengunthar Educational Trust. The College offers Eighteen UG programmes in Engineering and Technology. They are, B.E. in Civil Engineering, CSE, CSD, EEE, ECE, EI, Mechanical Engineering (Tamil Medium & English Medium), BME, Robotics and Automation, B.Tech. in Chemical, Biotechnology, IT, Agriculture Engineering and Artificial Intelligence and Data Science, Artificial Intelligence and Machine Learning, Cyber Security and five years integrated course M.Tech CSE. The College offers Ten PG programmes. They are M.E. Environmental Engineering, M.E. Structural Engineering, M.E. Computer Science and Engineering, M.E. Industrial Safety Engineering, M.E. Manufacturing Engineering, M.E. Power Electronics and Drives, M.E. Applied Electronics, M.Tech. Chemical Engineering, M.C.A and M.B.A. It has a full-fledged infrastructure furnished in all aspects. The institution is known for strict academic discipline and standards and is one of the best run institutions in this part of Tamilnadu. The college is accredited by NAAC with "A" grade. All the UG programmes are accredited by Institution of Engineers (India), Kolkata.

IMPORTANT DATES

Last date of Abstract submission : **30th March, 2026**
Registration Starting date : **18th March, 2026**
Dates of Conference : **7th April, 2026**

HYBRID MODE

DEPARTMENT OF AI & DS

The Department of Artificial Intelligence and Data Science has been successfully functioning since 1998. It offers B.E. (CSE), B.E. CSE(AI&ML), B.E. CSE(Cyber Security) and M.E. (Computer Science and Engineering). The MoU signed by the Department are CISCO, Infosys (Campus Connect), MICROSOFT (Campus Agreement) and ORACLE. It organizes Symposia, Exhibitions, Conferences, Seminars and Workshops for both students and faculty belonging to various Technical Educational Institutions, Research Scholars of Research Institutes and Industries all over India. The Department is accredited by NBA since 2009. The Department comprises of 7 centralized air conditioned Computer Centers with 300 systems, state of art computing facilities with sufficient power supply backup. Our students are placed in various top MNCs like CTS, TCS, Wipro, IBM, Infosys, Hexaware, etc

DEPARTMENT OF ECE

Department of ECE was started in the year 1996 and has been providing full time B.E. Degree course (5 times Accredited by NBA) and M.E. – Applied Electronics. The department is also recognized as a Research Centre by Anna University. The department is successfully functioning in an independent building with state-of-the-art laboratories. Our faculty members are well qualified and are in constant pursuit of learning recent developments in their respective fields. With dedication, the faculty focus on producing well-qualified engineers by motivating the students to realize their potential through various sponsored technical programmes, research activities, and industry-oriented initiatives.

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- At least one of the author(s) should register to present the paper at the conference.
- For a single paper, multiple authors can present with multiple registration fees.
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Best Presentation will be awarded with Prize & Selected papers will be Published in National Journal.

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