



SRI SHANMUGHA
EDUCATIONAL INSTITUTIONS

aakam 360
innovate and inspire



SRI SHANMUGHA
COLLEGE OF ENGINEERING AND TECHNOLOGY



DEPARTMENT OF
ELECTRONICS AND COMMUNICATION ENGINEERING

PROUDLY PRESENTS

“NEWS LETTER ”

ACADEMIC YEAR 2023-2024 (JAN- JUNE)

Volume - I

Issue No : 2





TABLE OF CONTENTS



- Vision and Mission of the Department
- Program Educational Objectives (PEOs)
- Programme Outcomes (POs)
- Program Specific Outcomes (PSOs)
- Message from the Head of the Department
- ELARIO-Association
- Highlights of the Department
- Workshop Conducted by the Department
- Student Achievements
- Symposium glimpses
- Editorial Team
- Message from the Editorial Desk





Vision and Mission of the Department



VISION

To develop globally competitive Electronics and Communication engineers to solve real-time problems in industry and society.

MISSION

M-1: To provide solid fundamental knowledge and technical skills through effective teaching learning Methodologies.

M-2: To provide a conducive environment through collaborations with industry and academia.

M-3: To inculcate learning of emerging technologies leading to lifelong learning.

M-4: To enable students to imbibe ethical and enterprising characteristics to become socially responsible engineers





Program Educational Objectives (PEOs)



PEO1 : Technical Expertise: Acquire a professional career and personal development in industries / higher studies / research / entrepreneurs.

PEO2 : Life-long learning: Sustain to develop their knowledge and skills throughout their career.

PEO3 : Ethical Knowledge: Exhibit professionalism, ethical attitude, communication skills, teamwork and adaptation to current trends and skills throughout their career.





Programme Outcomes (POs)



PO1 Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems

PO2 Problem analysis: Identify, formulate, review research literature and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.

PO3 Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety and the cultural, societal and environmental considerations

PO4 Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data and synthesis of the information to provide valid conclusions

PO5 Modern tool usage: Create, select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations

PO6 The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice



Programme Outcomes (POs)

PO7 Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of and need for sustainable development

PO8 Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice

PO9 Individual and team work: Function effectively as an individual and as a member or leader in diverse teams and in multidisciplinary settings

PO10 Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions

PO11 Project management & finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments

PO12 Life-long learning: Recognize the need for and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change



Program Specific Outcomes (PSOs)



PSO1 : Design and test modern electronic systems by adapting emerging technologies.

PSO2 : Design and formulate solutions for industrial requirements using Communication, Networking, Signal processing techniques, Embedded systems and VLSI techniques

PSO3 : Develop solutions required in multidisciplinary engineering fields.

Message From the Head of the Department



DR.J.AMUDHA

Dear ELARIO Readers,

I am thrilled to welcome you to the Electronics and Communication Engineering Department. As the Head of Department, I am committed to providing you with a comprehensive and enriching learning experiences. Our department is dedicated to excellence in education, research, and innovation. We have a team of experienced faculty members who are passionate about helping you grow and develop your skills in electrical and electronic engineering to guide you towards achieving your academic and professional goals. You are the future innovators and problem-solvers in an increasingly tech-dependent world.. Success in ECE demands dedication, hard work, and a love for learning. I believe in each of you and am confident in your potential to excel in this dynamic field. Wishing you a fulfilling academic journey.

Dr.J.Amudha,

Head of the Department.

Message from the Association Coordinator



MR.R.PRADEEP-AP/ECE

Dear ELARIO Readers,

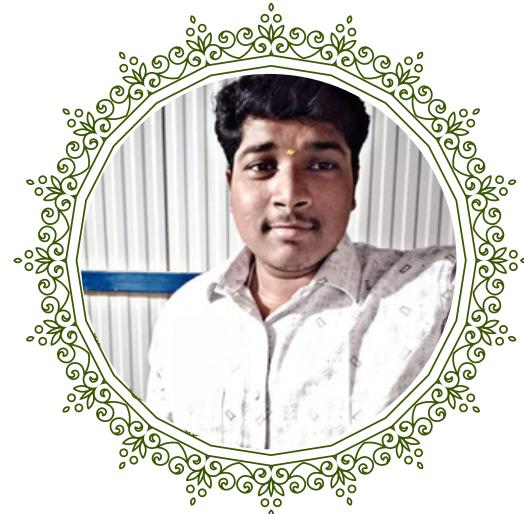
- The heads and executive members of association work together to organize technical events such as symposia, workshops, national and international conferences, and so on. Association are well-formed, adhere to procedures, and strive towards the technical growth of the student community. Every year, the association is started with the introduction of Association Office Bearers. The office bearers consist of a Secretary, Vice Secretary & Treasurer from various years in the department. The department faculty, who serves as the Association Coordinator & supervises the association operations. All events are planned with approval from the department head and principal, Association events are included in the department's academic calendar. The association conclude the year with a valedictory function, presenting an annual report on activities and honoring successful students.

**Mr.R.Pradeep
Assistant Professor**

Student Association Members



SATHYAKALA .M
SECRETARY



HARIKRASATH K.S
JOINT SECRETARY



MALAVIKA.V
JOINT SECRETARY



THARANI.S
OFFICE BEARERS



KESAVAN.N
OFFICE BEARERS

Highlights of the Department (2023-24)



Seminar On "FDP on Technology and Teaching Methodology" by Dr. Sunil Kumar,
VP- Accreditation,SSCET

10/02/2024

Online Seminar On "Innovations in Drone Technology" by Dr.Balaji Madhavan, Head- Training and Skill Development Agni College of Technology, Chennai.

23/2/2024



Alumni students discussed about their work experience and thanked the college for conducting Alumni meet.

26/04/2024



Highlights of the Department (2023-24)



Bridge the gap between past and present:
Students learning from alumni's real-world
experiences!

26/01/2024

Closing this chapter with a degree in
hand and a heart full of memories.
#GraduationDay, 27/01/2024



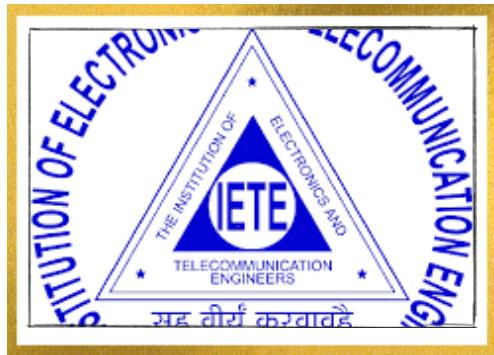
From mentors to collaborators: Seniors
guiding juniors through practical
projects for a brighter tomorrow!

27/01/2024

"Our department students
celebrate the traditional Pongal
festival with joy and camaraderie,
fostering cultural heritage and
unity."



Highlights of the Department (2023-24)



"Our department students actively engage with IETE, leveraging its platform for learning and growth, enhancing their skills and knowledge."

"Our department students Sobiya S, Pugazhenthi S, Harish M, Gokulkumaran K, and Naveenkumar R are celebrated for successfully completing NPTEL courses. Their achievement stands as a testament to their dedication and academic excellence."



Highlights of the Department (2023-24)



"One day hands on training for ‘Lab equipment Maintenance’ in associated with “HiTech Electronics ”, Elevate knowledge and skills in equipment upkeep for smoother lab operations.



06/04/2024



"Participants immersed themselves in a two-day workshop on Accreditation and Academic Excellence, guided by the expertise of Dr. Sunil Kumar ,Dr.Natarajan & Dr G.M Tamilselvan fostering a culture of continuous improvement and educational excellence."

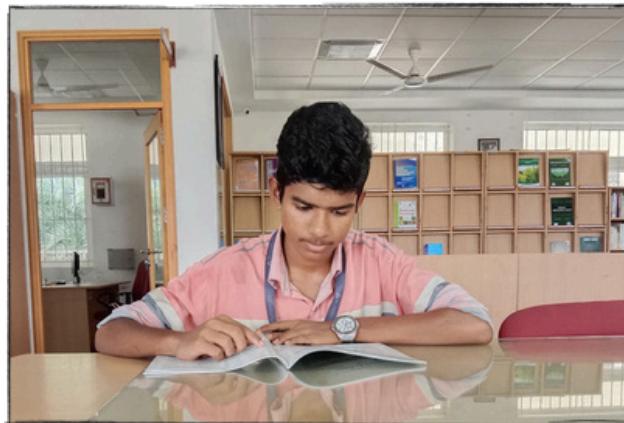


12/04/2024 & 13/04/2024

Highlights of the Department (2023-24)



The remarkable achievement of our department's student, N. Saravanan, who has attained the distinguished rank of ELITE in NPTEL for Digital Image Processing. His success is a testament to his diligent efforts and dedication."



"Our department proudly congratulates Meiyarasan.S for being recognized as the Best Library User of December '23.



Student's Achievements

"Congrats to Dhivya from our department for participating in RTOs Programming at ELECTROVANZA'24, hosted by Erode Sengunthar Engineering College".



"Congrats to Kesavan.N from our department for participating in CIRCUIT DEBUGGING , hosted by Nandha College Of Technology".



"Our department student Kesavan.N participation in TRACK TALES at KNOWMEET 2K24 , hosted by Knowledge Institute Of Technology"



Student's Achievements



"E.Abinaya has been appreciated for actively participating in JUST IMAGINE Event at Erode Sengunthar Engineering College"

"E.Abinaya has been appreciated for actively participating in RTO'S PROGRAMMING Event at Erode Sengunthar Engineering College"



"Congrats to Kesavan.N from our department for participating in CIRCUIT DEBUGGING , hosted by Nandha College Of Technology"



Student's Achievements



"Our department's student, Parthasarathi .D, triumphantly completes a 11km Marathon, serving as a beacon for our juniors to prioritize health through regular sports activities, ensuring a robust and disease-free lifestyle."

"Our department's Malavika.V delivers an insightful seminar on wireless communication, demonstrating expertise and innovation in the field."



"Our department's Sathya.R & Varsha.S delivers a captivating seminar on signals and systems, showcasing deep understanding and expertise in the subject."



Student's Achievements



R.Sathya and Kiran Sweatha are Participating in “ADZAP” at Intra College Events



S.Chandru participating and winning 2 price in ”INNOVATOR” at Intra College Event.



Symposium 2023-24



Editorial Team



Dr.J.Amudha
HOD/ ECE



Mr.R.PRADEEP
AP/ ECE



Mr.E.SANTHOSH
AP/ ECE



Mr.D.PARTHASARATHI
STUDENT/ III- ECE



Ms.S.VARSHA
STUDENT / III- ECE



Message from the Editorial Desk



Dear ELARIO Readers,

- We hope this message finds you well. As the editorial team, we wanted to take a moment to express our gratitude for your continued support and participation in our association.
- In this Academic Year, we have seen remarkable growth and progress in our collective efforts to advance our field. From insightful research papers to engaging discussions at conferences and events, your contributions have been invaluable in shaping the direction of our discipline.
- As we move forward, we are committed to further enhancing the quality and impact of our publications and activities. We encourage you to stay connected and actively involved in our association. Your involvement not only strengthens our community but also enriches the experiences of all members.
- Thank you once again for your dedication and support.



THANK YOU