

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING (ECE)

VISION OF THE INSTITUTE

To be a unique Institution that enables students to become contributing Humans towards technology, business and sustainability of natural world.

MISSION OF THE INSTITUTE

Our mission is to facilitate students with harmonious teaching and experiential learning by integrating industrial and societal needs with curriculum, providing requisite infrastructure facilities and imbuing ethical values.

ABOUT THE DEPARTMENT:

Electronics and communication engineering synthesizes science, mathematics, technology, and application-oriented designs into world-class consumer products, timely microprocessors, state-of-the-art computers, advanced electronic components, and much more. From cutting-edge technology revolutions to real life applications, the innovations of electrical engineers continue to lead the future and elevate the standards in the marketplace. With a shortage of electrical engineering talent in the job market, the demand for graduates with an electrical engineering degree remains at an all-time high.

VISION:

To be a centre for Excellence in Electronics and Communication Engineering by fostering professional competence with ethical values

MISSION:

- To embrace innovative teaching and learning methodologies that lead to the self-improvement of students.
- To embed contemporary technical knowledge and problem-solving skills in core and allied field by having collaboration with industry.
- To enhance the competency of students to meet the challenges posed in industry on employment through research and innovative ideas.
- To enlighten our students with ethical, human values and leadership.



SRI RANGANATHAR

INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai)

Accredited by NAAC with "A+" Grade & ISO 9001:2015 Certified Institution

Athipalayam, Coimbatore - 641 110. Web site: sriet.ac.in Ph: 0422 2697792



SRIET – ECE NEWSLETTER

ERNICKA July- December 2022

VOLUME-III, Issue-1

SRIET Profile:

Sri Ranganathar Institute of Engineering and Technology (SRIET) came into existence in 2011, out of an ardent desire of Dr. V. Narayanasamy to contribute manifold to the society that nurtured him. SRIET is an Innovative Educational Institution where the curiosity, creativity and intellectual joy of students all drive to academic excellence. Our Institution provides complex problem-solving skill and imbibes service to the public good. SRIET is defined by strong association and working in ways that excel in traditional boundaries.

LIST OF CONTENT:

- Journals Publication (National/International)
- Conference Presented (National/International)
- Books Publication
- Programmes Organized
- Seminar/Workshop Attended
- FDP/STTP Attended
- Proposals submitted
- Extension Activity
- Interaction with outside world
- Student's Achievements

PROGRAM EDUCATIONAL OBJECTIVE

On successful completion of B.E ECE program graduates will be able to

- PEO1:** ➤ To enable graduates to pursue research, or have a successful career in academia or industries associated with Electronics and Communication Engineering, or as entrepreneurs.
- PEO2:** ➤ To provide students with strong foundational concepts and also advanced techniques and tools in order to enable them to build solutions or systems of varying complexity.
- PEO3:** ➤ To prepare students to critically analyze existing literature in an area of specialization and ethically develop innovative and research-oriented methodologies to solve the problems identified.

EVENTS ORGANIZED

- Department of ECE Organised one day National level Workshop on **ADVANCE NETWORKING PROTOCOLS** on 26.09.2022 by Mr. B. Sivabalamurugan, Diya Robotics, and Chennai.
- Department of ECE Organised Seminar on **Introduction to Core Electronics** on 17.08.2022 by resource person Mr.Jaiger Anandan, IFASW Engineering Career, Coimbatore.



- Department of ECE Organised Guest Lecture on **Principles of Spread Spectrum Technique** on 19.10.2022 by resource person Mr. Harikrishna, Robert Bosch, Coimbatore.



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ORGANIZES
Guest Lecture on
Principles of Spread Spectrum Technique

DATE: 19.10.2022 **VENUE: SEMINAR HALL2**



Mr.HARIKRISHNA,
Robert Bosch,
Coimbatore.

Ms.P.Jeyabharathi, HOD/ECE
COORDINATOR

Dr.H.Ganeshan, PRINCIPAL
PRESIDENT

- Department of ECE Organised seminar on **Intelligent Automation** 02.09.2022 by resource person Mr.S.Loganathan, Application Engineer, Axis Global Automation private Limited, Coimbatore




CHIEF PATRON
Dr. V. NARAYANASAMY
 CHAIRMAN, SRI GROUPS

PATRON
Dr. K.P.ABILSHRI
 PRINCIPAL SRIET

PRESIDENT
Dr.H.GANESAN
 DEAN,SRIET

EVENT CO-ORDINATOR
Mr.P.JEYABHARATHI
 HoD-ECE

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ORGANIZES SEMINAR ON
INTELLIGENT AUTOMATION

CHIEF GUEST
Mr.S.LOGANATHAN
 Application Engineer,
 Axis Global Automation pvt ltd
 Coimbatore.

Date & Time: 02.09.2022
&
10.30AM to 11.30PM

Venue: AUDITORIUM

MoU Signed

S.No	Name of the Company	Academic Year
1.	Indus Electronics India (P) Ltd Plot No. 3 Electronic Industrial Estate, Kalapatti Main Rd, Civil Aerodrome Post, Coimbatore, Tamil Nadu 641014.	2022-23
2.	3Q Technologies, No. 401, GES Complex, 7th Street ,Gandhipuram, Coimbatore - 641012	2022-23
3.	SAN Technovation VSM Complex, Kanji Kovil road, Perundurai, Erode	2022-23

VALUE ADDED COURSES

S.No	Name of the ADD-ON Course	Year/Semester	Hours	Faculty Incharge
1.	Programming Language in C, C++, Verilog	II-ECE	3 Weeks	Mr.D.Silambarasan, AP/ECE
2.	ATMEL Microcontroller – 89S52	III-ECE	3 Weeks	Mr.J.R.Nishanth, AP/ECE
3.	Internet of Things using Raspberry Pi	IV-ECE	3 Weeks	Mr.V.R.Mani AP/ECE

FACULTY PARTICIPATION

Journals Publication (National/International)

- Journal publication on in recognition of an outstanding contribution to the quality of the journal on 26-08-2022 at journal of engineering research and reports.

Seminar/Workshop/ FDP/STTP Attended details:

- Attended Webinar on Nanotechnology in Forestry Research on 29-07-2022 at Sri Ramakrishna Engineering College.
- Attended 5 Days Online Workshop on Internet of Things and its Applications from 23-08-2021 to-27-08-2021 at CARE COLLEGE OF ENGINEERING

- Attended International Virtual FDP on Pride and Prejudice: A Novel of Manners by Dr.Malti P.Sharma and R.S.Kiran on 28.01.2023.
- Attended six days online FDP on Embedded and Real Time Systems from 04.07.2022-09.07.2022 at PSNA College of Engineering and Technology
- Attended International FDP on Research Opportunities in Emerging Areas of Electronics and Communication Engineering from 18-07-2022 to 22-07-2022 at KPR Institute of Engineering and Technology
- Attend the one day seminar on image processing using python at 30-08-2022 at sri ranganathar institute of engineering and technology
- Attend the one day webinar level 1 certificate at 17 -08-2022 at view sonic.
- Attend the one day seminar on pcb design in eagle at 09-08-2022 at sri ranganathar institute of engineering and technology
- Attended five days online FDP on EMBEDDED & REAL TIME SYSTEM from 04-07-2022 TO 09-07-2022 at ANNA UNIVERSITY
- Attended five days online FDP on advanced technologies in electrical engineering research form 01-08-2022 to 05-08-2022 at sri sai ram institute of technology
- Attended five days online FDP on the role of artificial intelligence in renewable energy application from 01-08-2022 to 05-08-2022 at kpr institute of engineering and technology
- Attended five days online FDP on emerging trends in vlsi design & practical approach form 01-08-2022 to 06-08-2022 at Aditya college of engineering
- Attended five days online FDP on bulding resilience at workplace approach form 9-08-2022to 12-08-2022 at amity school engineering and technology
- Attended five days online FDP on engineering signal processing and communication system using fpga on 26-08-2022 to 30-08-2022 at madanapalle institute of technology and science
- Attended five days online FDP on important of statistics in machine learning on 30-08-2022 at great leaning

- Attended Webinar on Atmanirbhar Bharat: Need of the hour for reviving as Self-Reliant India amid the Pandemic Covid from 19-09-2022 to 20.09.2022 at SRM Institute of Science and Technology.
- Attended 5 Days Online Workshop on Internet of Things and its Applications from 23-08-2021 to-27-08-2021 at CARE COLLEGE OF ENGINEERING
- Attended Workshop on Internet of Things (IOT) on 24.09.2022 at School of Computer Engineering and Technology.
- Attended Webinar on Implementing ISO Standard for Educational Organisations worldwide for Enhancing quality education & Accreditation on 24-09-2022 at EmCog Solutions, Chennai.
- Attended Webinar on Latest Trends in Green Building on 14-09-2022 by JUIT Students Chapter IGBC.
- Attended International Webinar on Research Skills and Development on 10.09.2022 at St.Xaviers College, Jharkand.
- Attended Workshop on Augmented Reality from 28.09.2022 to 30.09.2022 at Dr M.G.R. Educational and Research Institute, Chennai.
- Attended International Seminar on Impact of Ozone Layer Depletion on Climate Change on 16.09.2022 at Raj Rishi Government College.
- Attended Webinar on Registration of Intellectual Property Rights(IPR) without Legal Assistance on 29-10-2022 at Hindusthan College of Engineering and Technology valley Campus, Pollachio Highway,
- Attended IP Awareness/Training Program on National Intellectual Property Awareness Mission on 11-10-2022 at Intellectual Property Office ,India.
- Attended Online Workshop on Detecting Fake, Clone & Predatory Journals in Academics on 23-10-2022 at Natonal Institute of Technology Kuruksetra.
- Attended Webinar on Broadcasting and its Latest Trends on 29-10-2022 at KPR Institute of Engineering and Technology,Coimbatore.
- Attended five days online FDP on Intellectual Property Rights from 18-10-2022-22-10-2022 at Kristu Jyoti College of Mangement Technology.

- Attended Seminar on Efficient RainWater Harvesting on 24-11-2022 at Jaypee University of Information Technology.
- Attended Webinar on Introduction to Machine Learning and its Perspective on 23-11-2022 Organized by World Wide Innovations Network
- Attended Webinar on Clinical Trial Protocol and Information Broucher on 19-11-2022 Organized by World Wide Innovations Network
- Attended Webinar on IOT-Future Trends and Security Challenges on 16-11-2022 Organized by World Wide Innovations Network
- Attended Seminar on Effective Implementation of NEP Multidisciplinary Education and strategies from 10-11-2023 to 12-11-2023 Organized by National Assessment and Accreditation Council.
- Attended Confrence on Efficient Method for Skin Tone Detection using HSV Colour Model on 2-11-2022 at Sri Ramakrishna Institute of Technology.
- Attended five days online FDP on Research Methodology from 01-11-2022 to 06-11-2022 at Kristu Jyoti College of Mangement Technology,
- Attended Sttp on Methods, Modeling, Data and Tools of Environmental Conservation from 1-11-2022 to 7-11-2022 at Raj Rishi Govt.Autonomous College,
- Attended one Week FDP on Trends & Challenges in the Development of Electric Vehicles&Hybrid Electric Vehicles From 14-11-2022 to 18-11-2022 at Lendi Institute of Engineering &Technology
- Attended national seminar on Role of NAAC with NEP as s Quality Tool for Higher Education from 16-12-2022 & 17.12.2022 at SRIET.
- Attended 5 Days Online Workshop on Internet of Things and its Applications from 23-08-2021 to-27-08-2021 at CARE COLLEGE OF ENGINEERING
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- Attended FDP on Inculcating Universal Human Values in Technical Education from 05.12.2022-09.12.2022 at Presidency University.
- Attended STTP on Production and Regulation of Chemicals and Toxins for Environmental Conservation from 07.12.2022 to 13.12.2022 at Raj Rishi Autonomous College.
- Attended FDP on Recent Advancements in Science & Engineering from 26-12-2022 to 30-12-2022 at Regional College for Education Research and Technology.
- Attended FDP on Intellectual Property Rights & Patent Filing from 01.12.2022 to 07.12.2022 at Kumarasamy College of Engineering.

NPTEL COURSES

- Mr V.R.Mani AP/ECE successfully completed NPTEL course on Digital Circuits and secured 50% during July-October 2022.
- Mrs R.Tamilselvi AP/ECE successfully completed NPTEL course on Embedded System design with Arm and secured 54% during July-October 2022.
- Ms S.Pavithra AP/ECE successfully completed NPTEL course on Digital Circuits and secured 50% during July-October 2022.

STUDENTS ACTIVITIES

- III-ECE students participated in 7 days of Business Leadership Academy from 12.09.2022 to 23.09.2022 empowered by IDHAYAM group of Companies.

- Attended National symposium on 20-10-2022 at Sri Ramakrishna Engineering College,Coimbatore.



ERNICKA-2022-23

EDITORIAL BOARD

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AP/ECE

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Aswin-IV Year



S. Santhana Krishnan-
III Year