

**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 imbibing 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.



SRIET – ECE NEWSLETTER

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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

- Mrs S.Pavithra organized one day seminar in “**Technology pillars in Industry 4.0**” by M.Yugapriya, Embedded Software Developer 3Q Technologies on 14.03.2023
- Department of ECE organized seminar on **EMBEDDED ETHICS** on 22.02.2023 by the resource person Ms.S.Arthi, Embedded Engineer, Coimbatore.



- Department of ECE organized seminar on **HTML and CSS –The Basics** on 08.02.2023 by resource person Mrs.G.Shobana Edureka, Coimbatore.



**DEPARTMENT OF
ELECTRONICS AND COMMUNICATION
ENGINEERING
ORGANIZES
SEMINAR ON
HTML and CSS-THE BASICS**

Date: 08/02/2023



Time: 2:00PM To 3:30PM

Venue: SEMINAR HALL



Ms.G.Shobana
Full Stack Developer,
Edureka,
Coimbatore.

Mr.P.Dhillipkumar, AP/ECE
COORDINATOR

Ms.P.Jeyabharathi, HOD/ECE
PRESIDENT

Dr.H.Ganeshan, Principal
PATRON

- Department of ECE organized Seminar on **Sensor Automation of Real-Time Application** on 21.04.2023 by resource person Ms.Sushmitha Embedded Developer, Emglitz Technologies, Coimbatore.



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 |

CONFERENCE PRESENTED

- Mrs P.Jeyabharathi presented paper in **“Automatic Panel Board with Protection System in Agri-Irrigation”** at **3rd International Conference on Artificial Intelligence and Smart Energy (ICAIS’23)** organized by JCT College of Engineering and Technology from 02.02.2023 to 04.02.2023.
- Mrs P.Jeyabharathi presented paper entitled **“Image Recognition Based Attendance System”** at the **International Conference on Recent Trends in Computing and Communication Engineering (ICRTCCE’23)** at SIMATS Engineering on 17.03.2023.
- Dr M.Meenakumari presented paper entitled **“A Modern Flask Based on Quality Inspection of Milk by Smart Sensor Technology”** in **7th International Conference on Engineering, Technology and Science** at Muthayammal College of Engineering on 31.03.2023.
- Dr M.Meenakumari presented a paper titled **“ALERT SYSTEM FOR HUMAN SAFETY IN TUNNELS USING IOT”** in **international Conference on Innovative Engineering and Information Technology (ICIET’23)** at Sri Sai Ranganathan Engineering College on 28.04.2023 & 29.04.2023
- Mr A.Periyanan presented a paper titled **“Saviour’s Safety using Internet of Things”** in **2nd International Conference on Advancements in Automotive Technology (ICAAT’23)** at Bannari Amman Institute of Technology on 05.04.2023 & 06.04.2023

- Mr V.R.Mani presented a paper titled **“Saviour’s Safety using Internet of Things”** in **2nd International Conference on Advancements in Automotive Technology (ICAAT’23)** at Bannari Amman Institute of Technology on 05.04.2023 & 06.04.2023
- Mr A.Periyanan presented a paper titled **“Disease Abnormality detection and Classification of MRI images using Convolution Neural Network”** in **1st International Conference on Recent Advances and Innovations in Science, Engineering, Technology and Management (ICRAISETM’23)** at Solamalai College of Engineering on 21.04.2023 & 22.04.2023
- Mr J.R.Nishanth presented a paper titled **“Dual Access Circular Solar Tracking and Charging System using embedded Technology”** in **3rd International Conference on Intellectual Research in Science, Engineering and Management (ICIRSEM’23)** at St.Joseph’s College of Engineering and Technology on 21.04.2023
- Mr P.Dhilipkumar presented a paper titled **“Radiation to Energy hand held converter and Distributor”** in **3rd International Conference on Intellectual Research in Science, Engineering and Management (ICIRSEM’23)** at St.Joseph’s College of Engineering and Technology on 21.04.2023
- Mrs R.Tamilselvi Participated 9th International Conference on Latest Trends in science, Engineering and Technology (ICLTSET’23) organized by Karpagam Institute of Engineering and Technology on 05.05.2023 & 06.05.2023.

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)

- Dr M.Meenakumari Prof/ECE published journal titled *“Satellite Receiver with Built-in Automated Monitoring”*

Seminar/Workshop Attended details:

- Attended Webinar on *“National Intellectual Property Awareness Mission”* on 16.01.2023 by Intellectual Property Office, India.
- Mr P.Dhilipkumar Attended 6-days workshop on *“Emerging trends, Challenges in Wireless Charging of Electric Vehicles”* at SRM Institute of Science and Technology from 20.02.2023 to 25.02.2023.
- Mrs S.Pavithra Attended 6-days workshop on *“Emerging trends, Challenges in Wireless Charging of Electric Vehicles”* at SRM Institute of Science and Technology from 20.02.2023 to 25.02.2023.
- Mrs P.Jeyabharathi Attended 6-days workshop on *“Emerging trends, Challenges in Wireless Charging of Electric Vehicles”* at SRM Institute of Science and Technology from 20.02.2023 to 25.02.2023.
- Mr A.Periyanan participated IETE sponsored National Level Workshop on *“RF Circuit Design Using Electromagnetic Simulator”* at M.Kumarasamy College of Engineering on 16.02.2023.
- Mr A.Periyanan Attended 6-days workshop on *“Emerging trends, Challenges in Wireless Charging of Electric Vehicles”* at SRM Institute of Science and Technology from 20.02.2023 to 25.02.2023.
- Mr A.Periyanan Attended 6-days workshop on *“Emerging trends, Challenges in Wireless Charging of Electric Vehicles”* at SRM Institute of Science and Technology from 20.02.2023 to 25.02.2023.
- Mr V.R.Mani Attended 6-days workshop on *“Emerging trends, Challenges in Wireless Charging of Electric Vehicles”* at SRM Institute of Science and Technology from 20.02.2023 to 25.02.2023.

- Mrs R.Tamilselvi Attended 6-days workshop on *“Emerging trends, Challenges in Wireless Charging of Electric Vehicles”* at SRM Institute of Science and Technology from 20.02.2023 to 25.02.2023.
- Mr J.R.Nishanth Attended 6-days workshop on *“Emerging trends, Challenges in Wireless Charging of Electric Vehicles”* at SRM Institute of Science and Technology from 20.02.2023 to 25.02.2023.
- Mrs P.Jeyabharathi Attended 5-days National seminar on *“Emerging Trends in Intelligent Computing”* organized by School of Computer Science and Engineering, VIT-AP University from 14.03.2023 to 18.03.2023.
- Mr A.Periyanan Attended 5-days National seminar on *“Emerging Trends in Intelligent Computing”* organized by School of Computer Science and Engineering, VIT-AP University from 14.03.2023 to 18.03.2023.
- Mrs R.Tamilselvi Attended 5-days National seminar on *“Emerging Trends in Intelligent Computing”* organized by School of Computer Science and Engineering, VIT-AP University from 14.03.2023 to 18.03.2023.
- Mr V.R.Mani Attended 5-days National seminar on *“Emerging Trends in Intelligent Computing”* organized by School of Computer Science and Engineering, VIT-AP University from 14.03.2023 to 18.03.2023.
- Mr J.R.Nishanth Attended 5-days National seminar on *“Emerging Trends in Intelligent Computing”* organized by School of Computer Science and Engineering, VIT-AP University from 14.03.2023 to 18.03.2023.
- Mr P.Dhilipkumar Attended 5-days National seminar on *“Emerging Trends in Intelligent Computing”* organized by School of Computer Science and Engineering, VIT-AP University from 14.03.2023 to 18.03.2023.
- Mrs S.Pavithra Attended 5-days National seminar on *“Emerging Trends in Intelligent Computing”* organized by School of Computer Science and Engineering, VIT-AP University from 14.03.2023 to 18.03.2023.
- Mrs. P. Jeyabharathi attended Webinar on *Career Opportunities in Communication Systems- Industry Perspective* on 11.04.2023 at Kumaraguru College of Technology, Coimbatore.

- Mrs. R. Tamilselvi attended Webinar on *Career Opportunities in Communication Systems- Industry Perspective* on 11.04.2023 at Kumaraguru College of Technology, Coimbatore.
- Mr A.Periyanan attended Webinar on *Career Opportunities in Communication Systems- Industry Perspective* on 11.04.2023 at Kumaraguru College of Technology, Coimbatore.
- Mr V.R.Mani attended Webinar on *Career Opportunities in Communication Systems- Industry Perspective* on 11.04.2023 at Kumaraguru College of Technology, Coimbatore.
- Mr J.R. Nishanth attended Webinar on *Career Opportunities in Communication Systems- Industry Perspective* on 11.04.2023 at Kumaraguru College of Technology, Coimbatore.
- Mr P.Dhilip kumar attended Webinar on *Career Opportunities in Communication Systems- Industry Perspective* on 11.04.2023 at Kumaraguru College of Technology, Coimbatore.
- Mrs S.Pavithra attended Webinar on *Career Opportunities in Communication Systems- Industry Perspective* on 11.04.2023 at Kumaraguru College of Technology, Coimbatore.

FDP/STTP Attended

- 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 FDP on *Enhancement and Utilization of Green Energy in Power Systems Using Power Electronics and Control* from 09.01.2023 to 13.01.2023 at GMR Institute of Technology.
- Attended FDP on *Awareness of Electronic Tools for System Design* from 25-12-2022 to 02-01-2023 at Sairaam Institute of Technology.
- Attended FDP on *Next Generation Wireless Network for Intelligent Communication* from 26.012.2022 to 01.01.2023 at Sri Venkateshwara College of Engineering.
- Dr M.Meenakumari Attended 5-days FDP on *“Innovative Teaching and Learning Practices for Preparation of NEP-2020”* at Ajeenkya School of Engineering from 06.02.2023 to 10.02.2023.

- Dr M.Meenakumari Attended 5-days National level FDP on *“Recent Advancements in Computing Technology”* organized by Sri S.Ramasamy Naidu Memorial College from 13.02.2023 to 17.02.2023.
- Mr P.Dhilipkumar Attended 5-days FDP on *“Innovative Teaching and Learning Practices for Preparation of NEP-2020”* at Ajeenkya School of Engineering from 06.02.2023 to 10.02.2023.
- Mr J.R.Nishanth Attended 5-days FDP on *“Innovative Teaching and Learning Practices for Preparation of NEP-2020”* at Ajeenkya School of Engineering from 06.02.2023 to 10.02.2023.
- Mrs P.Jeyabharathi attended one day FDP on *“Blooms Taxonomy in Teaching and Learning”* by SanSnow’s Nodel Professional Foundation on 16.02.2023.
- Mrs P.Jeyabharathi Attended 5-days FDP on *“Innovative Teaching and Learning Practices for Preparation of NEP-2020”* at Ajeenkya School of Engineering from 06.02.2023 to 10.02.2023.
- Mr V.R.Mani Attended 5-days FDP on *“Innovative Teaching and Learning Practices for Preparation of NEP-2020”* at Ajeenkya School of Engineering from 06.02.2023 to 10.02.2023.
- Mrs R.Tamilselvi Attended 5-days FDP on *“Innovative Teaching and Learning Practices for Preparation of NEP-2020”* at Ajeenkya School of Engineering from 06.02.2023 to 10.02.2023.
- Mrs S.Pavithra Attended 5-days FDP on *“Innovative Teaching and Learning Practices for Preparation of NEP-2020”* at Ajeenkya School of Engineering from 06.02.2023 to 10.02.2023.

NPTEL COURSE

- Mr J.R.Nishanth AP/ECE Successfully completed NPTEL course on Computer Networks and Internet Protocol on April 2023.



STUDENTS ACTIVITIES

- Nithish M (III- ECE) participated in quiz at Jai shriram Engineering college on 14.05.2024.
- III-ECE students attended seminar on “Basic of HTML and CSS” by Edureka Learning Center on 08.02.2023.
- IV-ECE students attended seminar on “Basic of HTML and CSS” by Edureka Learning Center on 08.02.2023.
- Kavipriya.V, Ganeshwar.M, V.Ragu, T.Arul, A.Sakthivel,Ranjitha.R, Jeyasudha.S, Chandradevi.A, Jothika.G, Seethlakshmi.B, M.Manoj, Bhuvin Buthanil vells.G,S.Seenuprakash, Pooja Princy.R & G.Poornima, (II-ECE) participated national level symposium at Sree Sakthi Engineering College on 25.02.2023.

- Rajkumar.M, Jayendran.M, Harish.R, Bhuvaneshwari.P, Venuprasad.S, Sakthi.M, Sasthakumar.L, Divya.J, G.Vinitha, B.Athikash (III-ECE) participated national level symposium at Sree Sakthi Engineering College on 25.02.2023.
- Harikrishnan.G & Nithish.M (II-ECE) participated symposium at P.A College of Engineering and Technology on 22.02.2023.
- III-ECE students participated 4th National Level symposium at Karpagam Academy of Higher Education on 20.02.2023.
- II-ECE students participated National Level symposium organized by Department of Electrical and Electronics at Karpagam Academy of Higher Education on 10.02.2023.
- II-ECE students attended IETE sponsored national level workshop on “RF Circuit Design Using Electromagnetic Simulator” at M.Kumarasamy College of Engineering on 16.02.2023.
- II-ECE students attended seminar on “Basic of HTML and CSS” by Edureka Learning Center on 08.02.2023.

INTERNSHIP/INPLANT TRAINING

| S.No | Duration | Name of the Company | Name of the Student |
|------|--------------------------|---------------------------------|---------------------|
| 1. | 15.07.2023 to 29.07.2023 | The Archery solution | Venuprasad |
| 2. | | | Sangeetha |
| 3. | | | Hemalatha |
| 4. | 22.07.2023 to 31.07.2023 | Zen Tech engineering | Praveen Kumar .B |
| 5. | 20.06.2023 to 05.07.2023 | Smart Way Industrial Automation | Pooja Princy .R |
| 6. | | | Kavipriya.V |
| 7. | | | Yogalakshmi.K |
| 8. | | | Nirmaladevi.A |
| 9. | | | Jeyasudha.S |
| 10. | | | Sowmiya.C |
| 11. | 22.06.2023 to 11.07.2023 | Puma Technovation | Kalaimani.M |
| 12. | | | K.Vigneshwaran |
| 13. | | | Stephen.M |
| 14. | | | Jayendran.M |
| 15. | | | Sastha kumar.L |
| 16. | | | Sakthi.M |
| 17. | | | Santhana Krishnan.S |
| 18. | | | Vinitha .G |
| 19. | | | Divya.J |
| 20. | | | Deepa.K |
| 21. | | | Ramya.M |

| | | | |
|-----|--------------------------|---------------------------------|----------------------|
| 22. | 26.06.2023 to 04.07.2023 | Techvoltsoftware Pvt Ltd | Bhuvaneshwari.P |
| 23. | | | Andichamy.A |
| 24. | | | Saravanan.P |
| 25. | | | Harivatsan.S |
| 26. | | | Chiranjeevi.S |
| 27. | | | AjayKumar.M |
| 28. | 20.06.2023 to 05.07.2023 | Smart way Industrial Automation | Poornima.G |
| 29. | | | Nirmaladevi.A |
| 30. | | | Seethalakshmi.B |
| 31. | | | Vishnipriya.S |
| 32. | | | Chandradevi.A |
| 33. | 27.06.2023 to 11.07.2023 | Emglitz Technologies | SreenuvasaluNaidu .N |
| 34. | | | Chinthala Muthu |
| 35. | Jyothi Reddy.P | | |
| 36. | 04.07.2023 to 10.07.2023 | | Polishetty Omkar |
| 37. | 21.06.2023 to 05.07.2023 | | Ranjitha.R |
| 38. | | | Nalani.D |
| 39. | 25.06.2023 to 10.07.2023 | Gateway Software Solutions | Balaganapathi.P |
| 40. | 22.06.2023 to 08.07.2023 | | Surendar.P |
| 41. | 26.06.2023 to 01.07.2023 | BSNL, Coimbatore | Dhanush Kumar.C |
| 42. | | | Tamilselvan.V |
| 43. | | | Nithyanandham.K |
| 44. | | | Sakthivel.A |
| 45. | | | HariKrishnan.G |
| 46. | | | Nithish.M |
| 47. | | | Vignesh.P |
| 48. | | Adhithyan.R | |
| 49. | | Hariprasath.P | |
| 50. | | BSNL, Thanjavur | Lakshman Deepak.K |
| 51. | | | Mohammed Bassam.H |
| 52. | | | Harish.R |
| 53. | | | Maheshwari.N |
| 54. | | | Ganeshwar.M |
| 55. | BSNL, Kallakuruchi | Manikandan.K | |

PLACEMENT DETAILS

Students Placement Details (2019-2023 Batch)

| S.No. | Reg.No. | Name of the Student | Name & Logo of the Company | |
|-------|--------------|---------------------|----------------------------|---|
| 1 | 713919106001 | ABILA RS | IBACUS TECH |  |
| 2 | 713919106002 | AMAL S | | |
| | 713919106005 | ASWIN | | |
| | 713919106007 | DHANUSHA R | | |
| | 713919106019 | LISHA S | | |
| 3 | 713919106003 | ANITHA A | CRI PUMPS |  |
| | 713919106014 | KALAISELVI S | | |
| | 713919106025 | SANJANA DEVI G | | |
| | 713919106009 | DINESH S | | |
| | 713919106026 | SANTHOSH M | | |
| 6 | 713919106008 | DHIVYA V | WEBBARAX & FACEPREP |  |
| | 713919106012 | HEROSHA M | | |
| | 713919106016 | KAVIYA G | | |
| 7 | 713919106011 | GNANAPRAKASH R | APPASAMY ASSOCIATES |  |
| 13 | 713919106030 | SUBARNA A | | |
| 14 | 713919106301 | GAYATHRI K | QSPIDER |  |
| 15 | 713919106028 | SIVAKAMI S | SOLID STATE PRACTICE |  |
| 16 | 713919106032 | VARSHA E | | |
| 17 | 713919106018 | KUMARESAN S | NANO LITHO TECHNOLOGIES |  |
| 18 | 713919106006 | DEVARAJAN P | VES TECHNOLOGIES |  |
| 19 | 713919106031 | SURYA P | | |
| 20 | 713919106017 | KEERTHI MALINI AR | | |

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

FACULTY TEAM



Mrs.P.Jeyabharathi
HoD/ECE



Dr.M.Meenakumari
Prof/ECE



Mrs.R.Tamilselvi
AP/ECE

Students Team



Aswin-IV Year



S. Santhana Krishnan-
III Year

ERICKA