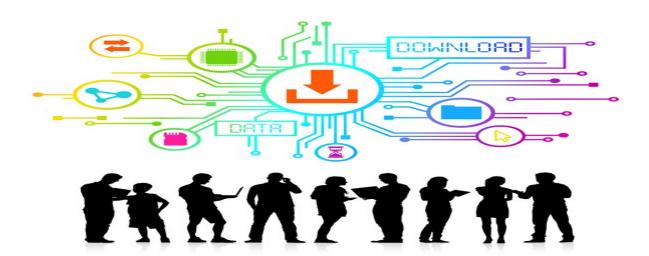
# NEWSLETTER



(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai) Athipalayam, Coimbatore - 641 110. website: sriet.ac.in, Ph: 0422 - 2697792

# **ERNICKA**

# DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



#### 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 INSTITUT

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 in core and allied field by implementing collaborative research with industry.
- To enhance the competency of students to meet the challenges posed in industry on employment.
- To enlighten our students with ethical, moral values and leadership.

DEPT OF ECE-ERNICKA

# PROGRAM EDUCATIONAL OBJECTIVE

# On Successful Completion of BE-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 analyse existing literature in an area of specialization and ethically develop innovative and research-oriented methodologies to solve the problems identified.

## CHAIRMAN'S MESSAGE

Shri. V. Narayanasamy "Best Methods Man – Steel Foundry", Chairman of SRI Group with 40+ years of rich Industry experience established Sri Ranganathar Institute of Engineering and Technology (SRIET) in 2011, an Industry Integrated Institute to offer quality Engineering Education

I feel very happy to know that the faculty and the students from the department of Electronics and Communication Engineering are bringing out the technical magazine Chronicles for the academic year 2023-24. This magazine is intended to bring out the inherent literary talents in students and the faculty members to inculcate the leadership skills among them. I am confident that this issue will sent a positive vibrations to the students and also strengthen the all-around development activities. I extend best wishes for the success of this endeavour.

#### FROM THE PRINCIPAL'S DESK

In today's competitive global world, a skilled technical education is becoming increasingly important for future success. As Principal, I am extremely proud of our college's rich tradition of providing valuable, experience-based engineering education since its inception. Our programs prepare students to become leaders with the moral depth and intellectual rigor required to meet the challenges of a critical societal transition. We offer individualized, high-quality education delivered by an experienced and well-qualified faculty who bring objectivity and a practical focus to their classrooms. We attract students from a wide range of ethnic and cultural backgrounds, resulting in a vibrant and stimulating classroom environment.

With this message, I'd like to wish all of our students, alumni, and future students a very positive and effective experience together."

Dr R.Thanigaivelan

## FROM HOD DESK

I believe my role as an educator is to guide and nurture the next generation to establish skills to achieve health, respect, prosperity and fulfilment.

The ability to be innovative and creative is important to me. I enjoy being challenged and inspired by the people around me. I am an avid supporter of effective and innovative professional development that encourages teachers to be reflective and to continuously examine our practice to provide quality teaching and learning for each student. My role as Head of the department is to keep up with latest trends and research and be an active partner in the college's professional development.

# **EVENTS ORGANIZED**

ø Dr P. Dhilipkumar AP/ECE organised seminar on "Innovation and Entrepreneurship Exposure Training Program" on 11.09.2024 with maximum participants





Department of ECE organised Association Function (ERNICKA-24) and seminar on "6G Machine Learning/ AI for future wireless communication systems" on 20.09.2024 by resource person Dr R. Gandhiraj Prof/ECE, Amrita Vishwa Vidyapeetham, Coimbatore.





➤ Dr P. Jeyabharathi HoD/ECE organised seminar on "Internet of Things with Things Speak" on 19.09.2024 by resource person Mr.R. Goushik Ram, Project Engineer, Robamatic Solutions, Coimbatore.



➤ Mrs R. Tamilselvi AP/ECE organised seminar on "Super Computer in Hand: Current and Future Trends in Mobile SoC" on 19.09.2024.



DEPT OF ECE-ERNICKA

# MoU Signed Details

➤Our department of ECE successfully signed MOU with *SHREE TECHNOLOGIES*, A Franchisee of Prolific Systems & Technologies Pvt. Ltd, Coimbatore on 11.07.2024.



➤ Our department of ECE successfully signed MOU with *ROBOMATIC Solutions*, Coimbatore on 21.09.2024.



# VALUE ADDED COURSES

Our Department of ECE successfully completed the Add on Courses on *Full Stack Web* development using React and MongoDB for IV-ECE students in the duration of 11.10.2024 to 26.10.2024.

#### ABOUT THE INSTITUTION

With the noble intention of educating the underprivileged, Sri Ranganathar Trust was founded by Thiru V. Narayanasamy, Managing Director, Group of Sri Ranganathar Industries and Chairman, Group of Sri Ranganathar Institutions. Sri Ranganathar Institute of Engineering and Technology, established in the year of 2011, provides all the advanced amenities required for Technical Education. The college is affiliated to Anna University, Chennai and approved by the AICTE, New Delhi.

#### ABOUT THE DEPARTMENT

The Department of Electronics Communication Engineering was established in the year 2011 with a vision to produce quality engineers to the corporate and the society as well. The department has state-of-art laboratories and highly qualified, motivated and experienced faculty members to ensure excellent teaching learning environment

## COURSE OBJECTIVES

The objective of this full-stack development course is to equip participants with the essential skills needed to build modern web applications using React for the front end and Node js with MongoDB for the back end. By the end of the course, participants will understand how to create dynamic user interfaces. manage state, build and connect RESTful APIs, handle data storage and retrieval, implement user authentication, and deploy a full-stack application to the web. The course is designed to provide hands-on experience through practical exercises and a final ject that integrates all the learned concepts, participants to build and maintain their own

deploying a complete web application.

- Day 1: Introduction, Overview of Full-stack web development, HTML & CSS
- Day 2: CSS Advanced concepts

ABOUT THE COURSE

development, focusing

- Day 3: Fundamentals of JavaScript
- Day 4: JavaScript advanced concepts.
- Day 5 : Basics of React.
- Day 6: Advanced React Development
- Day 7: Node is and Express
- Day 8: Working with MongoDB
- Day 9: Project Work





DEPT OF ECE-ERNICKA

# **FACULTY PARTICIPATION**

# Seminar/Workshop Attended details:

- ➤ Dr.P. Jeyabharathi HoD/ECE attended Webinar on "NEP:2020: Best Practices in Research & Innovation" on 29. 07.2024 at RSR Engineering College, Andhra Pradesh.
- ➤ Dr.P. Jeyabharathi HoD/ECE attended Webinar on *Financial Education a life skill under*NEP 2020 on 01.08.2024 G.D. College, Begusarai.
- ➤ Dr S. Sudha ASP/ECE attended Webinar on *Financial Empowerment and Career Opportunities in Financial and Securities Market* on 17.07.2024 at CMR University, Karnataka.
- ➤ Dr S. Sudha ASP/ECE attended two days Webinar on *From Disconnected to Cohesive:*mitigating gaps in the synergy of computer science and engineering at SRM Madurai college for Engineering and Technology, Sivagangai, Tamilnadu.
- ➤ Mrs R. Shalini AP/ECE Webinar on *Financial Empowerment and Career Opportunities* in *Financial and Securities Market* on 17.07.2024 at CMR University, Karnataka.
- ➤ Mrs R. Shalini AP/ECE Webinar on *Wealth Creation Through Financial Planning* on 06.07.2024 at AGIA College.
- ➤Dr S. Sudha ASP/ECE attended Webinar on "NEP:2020: Best Practices in Research & Innovation" on 29. 07.2024 at RSR Engineering College, Andhra Pradesh.
- ➤ Mrs R. Tamilselvi AP/ECE attended Webinar on "NEP:2020: Best Practices in Research & Innovation" on 29. 07.2024 at RSR Engineering College, Andhra Pradesh.
- ➤ Mr A. Periyanan AP/ECE attended *National Space Day quiz* by My Gov and ISRO.
- Mrs S. Pavithra AP/ECE attended National *Space Day quiz* by My Gov and ISRO.

- ➤ Dr S. Sudha ASP/ECE attended International Webinar on *Machine-to-Machine Communication* organized by IEEE student branch on 14.10.2024 at Study world College of Engineering
- ➤ Mrs R. Shalini AP/ECE attended International Webinar on *Machine-to-Machine Communication* organized by IEEE student branch on 14.10.2024 at Study world College of Engineering
- ➤ Mrs R. Tamilselvi AP/ECE presented research paper entitled *Enhanced Noise Reduction* in *Medical Imaging using a Hybrid Topological Media Filter Approach* in the *International Conference on Blooming Fuzzifier Logic (ICBFL-2024)* at Government Arts College Tiruppur, on 21.10.2024.
- ➤ Mrs R. Shalini AP/ECE attended Webinar on *Financial Education a Life skill* on 01.08.2024 at G.D.College, Bihar.
- ➤ Dr P. Jeyabharathi HoD/ECE attended IP awareness program under *National Intellectual*\*Property Awareness Mission on 13.09.2024.
- ➤ Dr S. Sudha ASP/ECE attended IP awareness program under *National Intellectual Property*Awareness Mission on 13.09.2024.
- ➤ Dr P. Dhilipkumar AP/ECE attended IP awareness program under *National Intellectual*\*Property Awareness Mission on 13.09.2024.

# FDP/STTP Attended

- ➤ Dr P. Jeyabharathi AP/ECE participated seven days FDP on *Essential skills or Professional Development in Higher Education* from 01.07.2024 to 07.07.2024 at Star International Foundation for Research and Education, Namakkal, Tamilnadu.
- ➤ Dr S. Sudha ASP/ECE participated five days online FDP on *Exploring Emerging trends* and *Future directions in machine-learning-integrated VLSI design* at SRM institute of science and Technology from 03.07.2024 to 10.07.2024.

- ➤Dr S. Sudha ASP/ECE participated five days online FDP on *Inculcating Universal Human Values in Technical Education* by AICTE from 17.06.2024 to 21.06.2024.
- ➤ Dr S. Sudha ASP/ECE participated *Naan Mudhalvan* Program on 04.09.2024 in *CCNA-II* at Anna University, Coimbatore.
- ➤Mr A. Periyanan AP/ECE has undergone *Innovation Ambassador (IA) training- Foundation*Level conducted by Institute Innovation Council.
- ➤Mr A. Periyanan AP/ECE participated two days FDP on *Deep Learning and IoT Technologie* in *Precision Healthcare* from 16.08.2024 to 17.08.2024 at Kongu Engineering College.
- ➤Mr A. Periyanan AP/ECE attended seven days FDP on Exploring *Emerging trends and* future directions in machine-learning-Integrated VLSI design from 03.07.2024 to 10.07.2024 at SRM Institute of Science and Technology, Ramapuram.
- ➤ Mr V.R.Mani AP/ECE attended seven days FDP on Exploring *Emerging trends and future* directions in machine-learning-Integrated VLSI design from 03.07.2024 to 10.07.2024 at SRM Institute of Science and Technology, Ramapuram.
- ➤ Mrs R. Tamilselvi AP/ECE attended seven days FDP on Exploring *Emerging trends and* future directions in machine-learning-Integrated VLSI design from 03.07.2024 to 10.07.2024 at SRM Institute of Science and Technology, Ramapuram.
- ➤ Mr J.R.Nishanth AP/ECE has undergone *Innovation Ambassador (IA) training- Foundation Level* conducted by Institute Innovation Council.
- ➤ Mr J.R.Nishanth AP/ECE attended seven days FDP on Exploring *Emerging trends and future directions in machine-learning-Integrated VLSI design* from 03.07.2024 to 10.07.2024 at SRM Institute of Science and Technology, Ramapuram.
- ➤Dr P. Dhilipkumar AP/ECE attended seven days FDP on Exploring *Emerging trends and* future directions in machine-learning-Integrated VLSI design from 03.07.2024 to 10.07.2024 at SRM Institute of Science and Technology, Ramapuram.

- ➤ Mrs R. Shalini AP/ECE participated five days online FDP on *Inculcating Universal Human Values in Technical Education* by AICTE from 17.06.2024 to 21.06.2024.
- ➤ Mrs R. Shalini AP /ECE attended seven days FDP on Exploring *Emerging trends and* future directions in machine-learning-Integrated VLSI design from 03.07.2024 to 10.07.2024 at SRM Institute of Science and Technology, Ramapuram.
- ➤ Dr S. Sudha ASP/ECE attended two days FDP on *Deep Learning and IoT Technologie in Precision Healthcare* during 16.08.2024 & 17.08.2024.
- ➤Dr S. Sudha ASP/ECE participated five days FDP on *EV Technology: Battery Modelling*, *BMS*, *Motors*, *and E-Bus charging* from 12.08.2024 to 17.08.2024 at VVIET, Mysore.
- ➤ Mr A. Periyanan AP/ECE attended two days FDP on *Deep Learning and IoT Technologie* in *Precision Healthcare* during 16.08.2024 & 17.08.2024.
- ➤ Mr Mani V.R AP/ECE participated two days FDP on *Deep Learning and IoT Technologie* in *Precision Healthcare* from 16.08.2024 to 17.08.2024 at Kongu Engineering College.
- ➤ Mr J.R.Nishanth AP/ECE participated two days FDP on *Deep Learning and IoT Technologie* in *Precision Healthcare* from 16.08.2024 to 17.08.2024 at Kongu Engineering College.
- ➤ Dr.P. Dhilipkumar AP/ECE participated two days FDP on *Deep Learning and IoT*Technologie in Precision Healthcare from 16.08.2024 to 17.08.2024 at Kongu Engineering College.
- ➤ Dr.P. Dhilipkumar AP/ECE participated one week FDP on *Industrial IoT and Industrial*4.0 at Anna university, Coimbatore on 21.08.2024
- ➤ Mrs S.Pavithra AP/ECE participated two days FDP on *Deep Learning and IoT Technologie* in *Precision Healthcare* from 16.08.2024 to 17.08.2024 at Kongu Engineering College.
- ➤ Mrs S.Pavithra AP/ECE participated one week FDP on *Writing research articles using Latex Overleaf* from 09.09.2024 to 13.09.2024 at Sri Chandrashekarendra Saraswathi Viswa Mahavidyalaya Deemed University, Kanchipuram.

- ➤ Mrs R. Shalini AP/ECE participated two days FDP on *Deep Learning and IoT Technologie* in *Precision Healthcare* from 16.08.2024 to 17.08.2024 at Kongu Engineering College.
- ➤ Mrs R. Shalini AP/ECE participated five days FDP on *EV Technology: Battery Modelling*, *BMS*, *Motors*, *and E-Bus charging* from 12.08.2024 to 17.08.2024 at VVIET, Mysore.
- ➤ Mrs R.Shalini AP/ECE participated one week FDP on *Writing research articles using Latex*Overleaf from 09.09.2024 to 13.09.2024 at Sri Chandrashekarendra Saraswathi Viswa Mahavidyalaya Deemed University, Kanchipuram.
- ➤ Dr S. Sudha ASP/ECE participated one week FDP on *Writing research articles using Latex*\*\*Overleaf\* from 09.09.2024 to 13.09.2024 at Sri Chandrashekarendra Saraswathi Viswa Mahavidyalaya Deemed University, Kanchipuram.
- ➤ Mrs R.Tamilselvi AP/ECE participated one week FDP on *Writing research articles using Latex Overleaf* from 09.09.2024 to 13.09.2024 at Sri Chandrashekarendra Saraswathi Viswa Mahavidyalaya Deemed University, Kanchipuram.
- ➤ Mr V.R.Mani AP/ECE participated one week FDP on *Writing research articles using Latex*Overleaf from 09.09.2024 to 13.09.2024 at Sri Chandrashekarendra Saraswathi Viswa Mahavidyalaya Deemed University, Kanchipuram.
- ➤ Mr J.R.Nishanth AP/ECE participated one week FDP on *Writing research articles using Latex Overleaf* from 09.09.2024 to 13.09.2024 at Sri Chandrashekarendra Saraswathi Viswa Mahavidyalaya Deemed University, Kanchipuram.
- ➤ Mrs R. Tamilselvi AP/ECE attended seven days National Level online FDP on *ChatGpt& AI Tools* by Marian College, Kuttikkanam from 20.11.2024 to 28.11.2024.
- ➤ Mr A.Periyanan AP/ECE attended seven days National Level online FDP on *ChatGpt& AI Tools* by Marian College, Kuttikkanam from 20.11.2024 to 28.11.2024.
- ➤ Mr J.R.Nishanth AP/ECE attended seven days National Level online FDP on *ChatGpt& AI Tools* by Marian College, Kuttikkanam from 20.11.2024 to 28.11.2024.

- ➤ Dr P. Dhilipkumar AP/ECE attended seven days National Level online FDP on *ChatGpt& AI Tools* by Marian College,Kuttikkanam from 20.11.2024 to 28.11.2024.
- ➤ Mrs S. Pavithra AP/ECE attended seven days National Level online FDP on *ChatGpt& AI Tools* by Marian College, Kuttikkanam from 20.11.2024 to 28.11.2024.
- ➤ Dr S.Sudha ASP/ECE successfully attended the ATAL FDp on *Gen AI-Novice to Master* at Sri Sai Ranganathan Engineering College from 09.12.2024 to 14.12.2024.
- ➤ Mrs R.Shalini ASP/ECE successfully attended the ATAL FDp on *Gen AI-Novice to Master* at Sri Sai Ranganathan Engineering College from 09.12.2024 to 14.12.2024.

# STUDENTS ACTIVITIES

- ➤ Bhuvaneshwari.M (II-ECE) awarded for outstanding participation in *Drawing, Logo*\*\*Creation at Innofest'24 at RVS Technical campus, Coimbatore.
- ➤ Srimathi (II-ECE) awarded for outstanding participation in *Drawing* in *Innofest'24* at RVS Technical campus, Coimbatore.
- ➤ Haripriya.T, Chirmila.A (II-ECE) participated in *Paper Presentation*, *Drawing* in *Innofest'24* at RVS Technical campus, Coimbatore.
- ➤ Vanishri.R (II-ECE) participated in *Technical Quiz, Drawing* in *Innofest'24* at RVS Technical campus, Coimbatore.
- S.Brindha (II-ECE) participated *Treasure hunt, Drawing* in *Innofest'24* at RVS Technical campus, Coimbatore.
- ➤ M.Nishanth (II-ECE) secured *I*<sup>st</sup> *Place in Technical event* in National level symposium at Christ the King Engineering College on 29.10.2024.

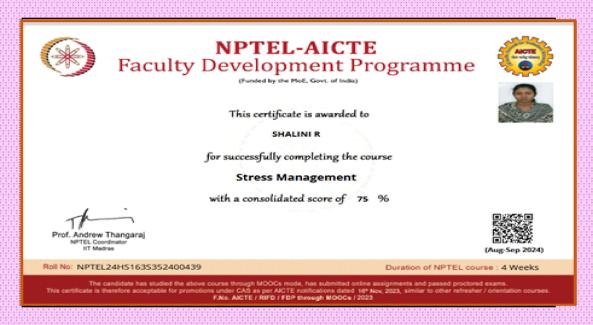
- ➤ Varun (II-ECE) secured *II<sup>nd</sup> Place in Technical event* in National level symposium at Christ the King Engineering College on 29.10.2024.
- ➤ Dhanasri.B, Bhuvaneshwari.M, Santhiya.B, Ilakkiya.S, Haripriya.T, Chirmila.A, Vanishri.R, Kowsika.J, Yadhavi.M, Venkata Subbareddy (II-ECE) participated in *CAMCEE-National Level Talent Fest* by Jansons Institute of Technology on 04.10.2024.
- ➤ Venkata Subbareddy, Palukuru Balaji, Mekala.V, Gobika.R, Thennarasan.V, Iswarya.G, Gokul.J (II-ECE) participated in *Technical events* in *EXOTICA 2K24* symposium events at KGISL Institute of Technology
- ➤ Kavishree.V, Prtchiyammal.S, Mahadevi.M, Loganayagi.M, Kiruba.D, Joanna.A, Jayasri.J, Gunasekarapandiyan.S, Sridhar.N, Deepika.E, Harini.N (III-ECE) has participated in one day *hands on training in Audrino Workshop* by Rotaract Club of Coimbatore on 21.09.2024.
- ➤ Dhanush.R, Manojkumar.P (II-ECE) presented paper titled *Tech Talks* in National level symposium at Christ the King Engineering College on 29.10.2024.
- ➤ Adhithyan.R, Jeyasudha.S (IV-ECE) presented paper in National level symposium at Christ the King Engineering College on 29.10.2024.
- ➤ Chandra devi.A, Jeyasudha.S, Yogalakshmi.K (IV-ECE) participated in *Technical events* in National level symposium at Christ the King Engineering College on 29.10.2024.
- ➤ Kamalesh, Irfan, M.Surya, Varun, Nishanth.M, Nishanth.M, (II-ECE) participated in National level symposium at Christ the King Engineering College on 29.10.2024.
- ➤ Repana Sheshadri, Narashimulunaidu V.Seshukumar Reddy, Jagenmohan Reddy, Devi sri Prasad, Chiranjeevi Reddy, Nitharsana.S, M. Kalpana devi, Abinaya.K, P.K Lavanya, S.Roseline selva meena (III-ECE) participated in National level Technical symposium *INTEROFEST-2K25* at Sree Sakthi Engineering College on 16.11.2024

# NPABL COURSES

➤ Dr.S.Sudha ASP/ECE successfully completed NPTEL course on *Stress management* with consolidated score of 56% during September 2024.



➤ Mrs R. Shalini ASP/ECE successfully completed NPTEL course on *Stress management* with consolidated score of 75% during September 2024.



DEPT OF ECE-ERNICKA

		HIP/ INPLAN DETAILS	
S.No	Duration	Name of the Company	Name of the Student
1.		Pricol Engineering Industries Pvt,Ltd	Pooja Princy
2.	<del></del>		Jeyasudha S
3.			Chandra devi
4.	29.07.2024		Yogalaksmi
5.	to 13.08.2024		Seethalakshmi
6.			Ranjitha R
7.			Kavipriya V
8.			Nanabala Meghana
9.		Lakshmi Life Sciences (Automation Program)	C.Sowmiya
10.			G.Poornima
11.	22.07.2024		R.Adhithyan
12.	to		S.Deepan
13.	18.08.2024		P.Hairprasath
14.			C.Dhanush kumar
15.			V.Tamilselvan
16.	07.08.2024 to 14.08.2024	Markdot Intellect	S.Naveenkumar
17.			Repana Sheshadri
18.			V.Suryaprakash
19.			E.Deepika
20.			N.Harini
21.			S.Petchiyammal
22.			M.Mahadevi
23.			M.Loganayagi

24	06.08.2024 to	S.E Consultancy and	S.Nitharshana
25	10.08.2024	services	M.Kalpanadevi
26	09.08.2024 to 17.08.2024	Egston Electronics (India) Pvt.Ltd.,	J.Jayasri
27	12.08.2024 to 17.08.2024	Kirubai	A.Joanna
28	06.08.2024	Retech Solutions	C.Subha
29	to 11.08.2024	Pvt.Ltd.,	P Dharani
30	07.08.2024 to	CET&RC Technical	M.Essakiappanbarath
31	14.08.2024	service	R.Srijaiprasanth

# INDUSTRIAL VISIT



Students visited Travancore Electronics and Management Service on 25.10.2024 at Varkala

# **EDITORIAL BOARD**



Dr.P.JEYABHARATHI, HOD/ECE



Mr.J.R.NISHANTH, AP/ECE



DEPT OF ECE-FRNICKA

Mrs.R.SHALINI, AP/ECE