



Gnanamani

College of Technology

Accredited by NAAC 'A' Grade & NBA

AUTONOMOUS

ELECTRO VISION

ELECTRONICS AND COMMUNICATION ENGINEERING

Volume 9
Issue 1

2024-2025

Accredited by NAAC 'A' Grade and NBA

NH-7, A.K.Samuthiram, Pachal-PO, Namakkal-637 018, Tamil Nadu

www.gct.org.in

GNANAMANI EDUCATIONAL INSTITUTIONS

Gnyanamani Educational Institutions that have carved a niche for itself in the field of engineering education within a very short span of time. Gnanamani College of Technology which was established in the year 2006, the group comprises of Gnanamani College of Education, established in the year 2005.

Gnanodaya CBSE International School was established in the year 2015. These Institutions serve under the aegis of The Christian Educational Development Trust.

Gnyanamani Educational Institutions were established in a well-planned campus with a green environment. The Colleges are spread on a sprawling 60 acres of serene land. The Colleges are easily accessible from all major cities by road and railway networks.

These Institutions have emerged as a pioneer venture in the field of Technical Education. Dr.T.Arangannal – a Rashtria Vidhya Saraswathi Puraskar Awardee is the Chairman and Mrs.P.Malaleena is the Chairperson of the Educational Institutions.

GNANAMANI COLLEGE OF TECHNOLOGY

Gnanamani College of Technology is a leading Institution with state-of-the-art facility. The college is affiliated to Anna University and Autonomous approved by AICTE.

The institution is rendering noble service to the youths in rural and urban areas.

The college is accredited by the NAAC and NBA (CSE, ECE, EEE, and Mechanical). The college has grown in a short span of 15 years with 12 UG Courses namely Agricultural, Artificial Intelligence and Data Science, Bio-Medical, Biotechnology, Chemical, Computer Science, Electrical and Electronics, Electronics and Communication, Food Technology, Mechanical, Information Technology and Pharmaceutical Technology.

The Institute also offers 9 PG courses in Computer Science, Construction Engineering and Management, Environmental Engineering, Embedded System Technology, Power Electronics and Drives, Industrial Engineering, VLSI Design, BME, MBA and MCA.

INSTITUTE VISION

- To emerge as a globally recognized technical institution to produce ethical engineers, researchers, administrators and entrepreneurs.

INSTITUTE MISSION

We facilitate our students

- To emerge as a globally recognized technical institution to produce ethical engineers, researchers, administrators and entrepreneurs.
- To collaborate with leading industries and academia to empower students to meet global standards
- To foster an enterprising environment that encourages innovation and entrepreneurial activities among students

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

The Department of Electronics and Communication Engineering (ECE) was established in 2006 with the vision of developing the department as a Centre of Excellence in R&D, and in the field of Electronics and Communication Engineering. It also puts strenuous efforts to make the students into technically strong and mentally stable.

The department has Analog and Digital Circuit Lab, Communication Lab, Embedded Systems Lab, DSP/VLSI Lab, Optical and Microwave Lab, Linear Integrated Circuits lab, Electron Devices & Circuits lab, Modelling & Simulation lab, and Microprocessor & Microcontroller lab.

All the laboratories are set up with air conditioning and supported by uninterrupted power supply facility. The state-of-the-art equipment in the laboratories makes it ideal hub for research and development in the field of Electronics and Communication Engineering.

VISSION

To produce globally competent, innovative, ethical, socially responsible and academically excellent graduates in Electronics and Communication Engineering.

MISSION

- **Imparting high quality education with value added programs through state- of- the- Art facilities to prepare technically strong engineers with social awareness.**
- **Addressing the needs of the people's aspirations and to our local needs on the Emerging technology.**
- **Promoting excellence towards productive careers in industry, research and entrepreneurship.**

PROGRAM EDUCATIONAL OBJECTIVES

Graduates of Electrical and Electronics Engineering will

PEO-1: Be able to apply mathematics, science and Engineering fundamentals and advanced concepts for their successful careers in industries, higher studies and research

PEO-2: Analyze, design and execute interdisciplinary projects by addressing the industrial and social needs.

PEO-3: Demonstrate and exhibit professional practice with ethical behaviour and engage in continuous learning for career growth.

PROGRAM SPECIFIC OUTCOMES

Graduates of the program will be able to

PSO-1: Possess knowledge and skills to work on analog and digital systems, adhoc and sensor networks, embedded and communication systems

PSO-2: Adapt to emerging technologies with required skills and to offer solutions to the novel problems and succeed in their career.

PROGRAM OUTCOMES

Engineering knowledge:

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

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.

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.

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.

Modern tool usage:

Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.

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.

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.

Ethics:

Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

A Individual and team work:

Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

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.

Project management and finance:

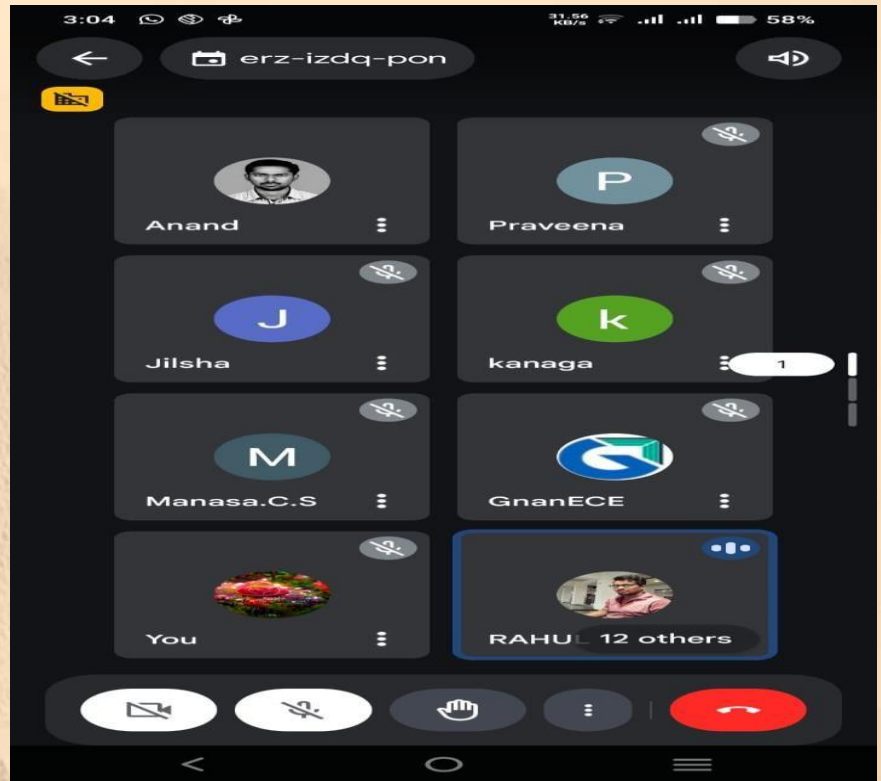
Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

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 ORGANIZED BY DEPARTMENT

Department of Electronics and Communication Engineering conducted a Alumni Talk Series on “Importance of AI” at Google Meet on 27.09.2024.



Department of Electronics and Communication Engineering conducted Alumni Talk Series on “Motivation to young Mind” at 03.10.2024.



Department of Electronics and Communication Engineering conducted a National Level Technical Symposium on 09.10.2024.



Department of Electronics and Communication Engineering conducted a Guest Lecture on “Current Trends in Automotive Industry” at 22.10.2025.



FACULTY ACTIVITIES

Faculty development/training activities/STTPs

Sl. No.	Faculty name	Title of the Conference / Seminar / Workshop / FDP/ STTP Attended	Date	Venue
1.	K.Raja	Harness Digital Healthcare Technologies: Biomakers, IoT, Date Analytics and AI in precision Medicine	05/08/2024 to 17/08/2024	Knowledge Institution of Technology
2.	P.Thenmozhi	Harness Digital Healthcare Technologies: Biomakers, IoT, Date Analytics and AI in precision Medicine	05/08/2024 to 17/08/2024	Knowledge Institution of Technology
3.	M.Kamalanathan	One Week National Level Online Faculty Development Program on "Machine Learning and it's Application"	23/09/2024 to 27/09/2024	PSNA college of engineering & technology
4.	R.Guruprasath	FDP "MATLAB for Image Analysis and Pattern Recognition : From Fundamentals to Advanced Applications:"	02/09/2024 to 06/09/2024	Centre for Development of Advanced Computing
5.	M.Nithya	6 days FDTP on "Design and Application of Semiconductor devices"	05/08/2024 to 10/08/2024	Sairam Institution of Technology
6.	P.Vaijayanthi	6 days FDTP on "Design and Application of Semiconductor devices"	05/08/2024 to 10/08/2024	Sairam Institution of Technology
7.	R.Poomurugan	ATAL FDP on " Recent Advancements and Challenges in the Realm of Flexible & Transparent Wearable Electronic Devices for Precision Healthcare Systems Using IoT, AI& ML	11/11/2024 to 23/11/2024	Mahendra Engineering College

JOURNAL PUBLICATIONS

S.No	Faculty name	Paper Title	Journal Name Volume No, Month/ Year, Page Nos.	Impact Factor
1.	Dr.K.Anand	Design of an Area Efficient and High-Performance Adder with a Novel Sum Generator	DOI:10.1007/s00034-024-02724-z June 2024	
2.	Dr.G. Arunachalam	Robotic Hand Control VIA Muscle Whispers Using EMG Sensor and Servo Motors	Journal of Instrumentation and Innovation Sciences Vol. 9 No. 1 (2024)	8.125
3.	Dr.K.Anand	Holographic Video Processing with Multimedia integration using AI and Machine Learning Algorithms	ICTACT Journal of image and Video Processing	8.125
4.	R.Poomurugan	Real-Time Drowsiness Detection and Accident Prevention for Drivers	MAT Journals Volume 1, Issue 2	7.97
5.	Dr.G.Arunachalam	Automated Plant Monitoring with Blynk IoT	Journal of Electronics and Telecommunication System Engineering	
6.	R.Poomurugan	Segmentation, Classification, and Visualization of Intracranial Hemorrhage in CT Brain Images	International Journal of Innovative Research of Science, Engineering and Technology (IJIRSET)	
7.	R. Poomurugan	Robotic Hand Control VIA Muscle Whispers Using EMG Sensor and Servo Motors	Journal of Instrumentation and Innovation Sciences Vol. 9 No. 1 (2024)	

STUDENTS ACTIVITIES
SYMPOSIUM PAPER PRESENTATION

S NO	STUDENT NAME	DATE	PAPER TITLE	TITLE OF SYMPOSIUM	ORGANIZING INSTITUTION & VENUE	PRIZE\AWARD
1	G.Elakkiyadevi II Year ECE	30.08.24	Paper Presentation	BIOFENIX'2K24	Department of BME Salem College of Engineering and Technology, Salem	-
2	J.Jeesy mariya II Year ECE	30.08.24	Paper Presentation	BIOFENIX'2K24	Department of BME Salem College of Engineering and Technology, Salem	-
3	M.Kanagarani II Year ECE	30.08.24	Paper Presentation	BIOFENIX'2K24	Department of BME Salem College of Engineering and Technology, Salem	-
4	R.Dhivya II Year ECE	30.08.24	Paper Presentation	BIOFENIX'2K24	Department of BME Salem College of Engineering and Technology, Salem	-
5	S.R.Amrutha II Year ECE	30.08.24	Paper Presentation	BIOFENIX'2K24	Department of BME Salem College of Engineering and Technology, Salem	-
6	P.Dhivyabharathi II Year ECE	30.08.24	Paper Presentation	BIOFENIX'2K24	Department of BME Salem College of Engineering and Technology, Salem	-
7	V.Naveenbharathi II Year ECE	28.9.24	Paper Presentation	SPRING FEST 2K24	Department of ECE KSR College of Engineering, Thiruchengode	II PRIZE
8	S.K.Yokesh II Year ECE	28.9.24	Paper Presentation	SPRING FEST 2K24	Department of ECE KSR College of Engineering, Thiruchengode	II PRIZE
9	A.Rakul Raj II Year ECE	28.9.24	Paper Presentation	SPRING FEST 2K24	Department of ECE KSR College of Engineering, Thiruchengode	II PRIZE
10	K.Vedabarathi II Year ECE	28.9.24	Paper Presentation	SPRING FEST 2K24	Department of ECE KSR College of Engineering, Thiruchengode	
11	P.V .Bharath II Year ECE	28.9.24	Paper Presentation	SPRING FEST 2K24	Department of ECE KSR College of Engineering, Thiruchengode	
12	M.Sanjay II Year ECE	28.9.24	Paper Presentation	SPRING FEST 2K24	Department of ECE KSR College of Engineering, Thiruchengode	

13	S.Dharaneeswaran II Year ECE	28.9.24	Paper Presentation	SPRING FEST 2K24	Department of ECE KSR College of Engineering, Thiruchengode	
14	R.M.Guruprasad II Year ECE	28.9.24	Paper Presentation	SPRING FEST 2K24	Department of ECE KSR College of Engineering, Thiruchengode	
15	S.Aswathi II Year ECE	28.9.24	Paper Presentation	SPRING FEST 2K24	Department of ECE KSR College of Engineering, Thiruchengode	
16	S.R.Amrutha II Year ECE	28.9.24	Paper Presentation	SPRING FEST 2K24	Department of ECE KSR College of Engineering, Thiruchengode	
18	C.S .Manasa II Year ECE	28.9.24	Paper Presentation	SPRING FEST 2K24	Department of ECE KSR College of Engineering, Thiruchengode	
20	M.Sakthivel II Year ECE	28.9.24	Paper Presentation	SPRING FEST 2K24	Department of ECE KSR College of Engineering, Thiruchengode	
21	B.Kiruthika II Year ECE	28.9.24	Paper Presentation	SPRING FEST 2K24	Department of ECE KSR College of Engineering, Thiruchengode	
22	S.Deepalakshmi II Year ECE	1.10.24	Paper Presentation	SPARKTRONICS- 2K24	Department of EEE Annapoorana Engineering College,Salem	
23	G.Elakkiyadevi II Year ECE	1.10.24	Paper Presentation	SPARKTRONICS- 2K24	Department of EEE Annapoorana Engineering College,Salem	
24	S.Dinesh Kumar III Year ECE	25.10.24	Paper Presentation	INTELLI-GENZ 2K24	Department of AI&DS Mahendra College of Engineering,Salem	
25	G.Sagaya Joan Prasath III Year ECE	25.10.24	Paper Presentation	INTELLI-GENZ 2K24	Department of AI&DS Mahendra College of Engineering,Salem	
26	R.Dhileep Kumar III Year ECE	25.10.24	Paper Presentation	INTELLI-GENZ 2K24	Department of AI&DS Mahendra College of Engineering,Salem	
27	A.D.Kirubakaran III Year ECE	25.10.24	Paper Presentation	INTELLI-GENZ 2K24	Department of AI&DS Mahendra College of Engineering,Salem	
28	K.Tamilarasu III Year ECE	25.10.24	Paper Presentation	INTELLI-GENZ 2K24	Department of AI&DS Mahendra College of Engineering,Salem	

29	R.Manojkumar III Year ECE	25.10.24	Paper Presentation	Festronix'2k24	Department of ECE K.Ramakrishnan College of Technology, Tiruchirappalli	
30	G.Sanjay II Year ECE	28.10.24	Paper Presentation	CREANNOVA- 2K24	Department of ECE Salem College of Engineering and Technology, Salem	
31	V.P.Lokeshwaran II Year ECE	28.10.24	Paper Presentation	CREANNOVA- 2K24	Department of ECE Salem College of Engineering and Technology, Salem	
32	K.Gokul Prasanth II Year ECE	28.10.24	Paper Presentation	CREANNOVA- 2K24	Department of ECE Salem College of Engineering and Technology, Salem	
33	T.Kaviarasan II Year ECE	28.10.24	Paper Presentation	CREANNOVA- 2K24	Department of ECE Salem College of Engineering and Technology, Salem	
34	R.Ravindra II Year ECE	28.10.24	Paper Presentation	CREANNOVA- 2K24	Department of ECE Salem College of Engineering and Technology, Salem	
35	M.Nisha II Year ECE	28.10.24	Paper Presentation	CREANNOVA- 2K24	Department of ECE Salem College of Engineering and Technology, Salem	
36	T.Nithiya II Year ECE	28.10.24	Paper Presentation	CREANNOVA- 2K24	Department of ECE Salem College of Engineering and Technology, Salem	
37	P.Maheswari II Year ECE	28.10.24	Paper Presentation	CREANNOVA- 2K24	Department of ECE Salem College of Engineering and Technology, Salem	
38	Z.Zabur II Year ECE	28.10.24	Paper Presentation	CREANNOVA- 2K24	Department of ECE Salem College of Engineering and Technology, Salem	
39	J.Udaya kumar II Year ECE	28.10.24	Paper Presentation	CREANNOVA- 2K24	Department of ECE Salem College of Engineering and Technology, Salem	
40	T.Ragavi II Year ECE	28.10.24	Paper Presentation	CREANNOVA- 2K24	Department of ECE Salem College of Engineering and Technology, Salem	
41	E.Priyadharshini II Year ECE	28.10.24	Paper Presentation	CREANNOVA- 2K24	Department of ECE Salem College of Engineering and Technology, Salem	
42	G.Narmatha II Year ECE	28.10.24	Paper Presentation	CREANNOVA- 2K24	Department of ECE Salem College of Engineering and Technology, Salem	

43	P.Shanmathi II Year ECE	28.10.24	Paper Presentation	CREANNOVA- 2K24	Department of ECE Salem College of Engineering and Technology, Salem	
44	B.Prabothika II Year ECE	28.10.24	Paper Presentation	CREANNOVA- 2K24	Department of ECE Salem College of Engineering and Technology, Salem	
45	S.Adithiya III Year ECE	28.10.24	Paper Presentation	CREANNOVA- 2K24	Department of ECE Salem College of Engineering and Technology, Salem	
46	N.J.Dharshini III Year ECE	28.10.24	Paper Presentation	CREANNOVA- 2K24	Department of ECE Salem College of Engineering and Technology, Salem	
47	S.Gokula priya III Year ECE	28.10.24	Paper Presentation	CREANNOVA- 2K24	Department of ECE Salem College of Engineering and Technology, Salem	
48	R.Jilsha III Year ECE	28.10.24	Paper Presentation	CREANNOVA- 2K24	Department of ECE Salem College of Engineering and Technology, Salem	
49	M.Mohanapriya III Year ECE	28.10.24	Paper Presentation	CREANNOVA- 2K24	Department of ECE Salem College of Engineering and Technology, Salem	
50	P.Mounika III Year ECE	28.10.24	Paper Presentation	CREANNOVA- 2K24	Department of ECE Salem College of Engineering and Technology, Salem	
51	S.Nagadharshini III Year ECE	28.10.24	Paper Presentation	CREANNOVA- 2K24	Department of ECE Salem College of Engineering and Technology, Salem	
52	P.Nandhini III Year ECE	28.10.24	Paper Presentation	CREANNOVA- 2K24	Department of ECE Salem College of Engineering and Technology, Salem	
53	S.Praveena III Year ECE	28.10.24	Paper Presentation	CREANNOVA- 2K24	Department of ECE Salem College of Engineering and Technology, Salem	
54	R.Dharshini III Year ECE	28.10.24	Paper Presentation	CREANNOVA- 2K24	Department of ECE Salem College of Engineering and Technology, Salem	

OTHER EVENTS

S.NO	STUDENT NAME	YEAR/SEC	Title of the Events (CAD Modeling, Water Rocket, Glider etc)	DATE	Organizing Institution & Venue	PRIZE/AWARD
1	S.R Amurutha	II Year A	Brand Finder	30.08.2024	Department of Biomedical Engineering ,Salem College of Engineering and Technology, Salem	
2	R.Dhivya	II Year A	Brand Finder	30.08.2024	Department of Biomedical Engineering ,Salem College of Engineering and Technology, Salem	
3	P.Dhivyabharathi	II Year A	Brand Finder	30.08.2024	Department of Biomedical Engineering ,Salem College of Engineering and Technology, Salem	
4	G.ElakiyaDevi	II Year A	Brand Finder	30.08.2024	Department of Biomedical Engineering ,Salem College of Engineering and Technology, Salem	
5	G.ElakiyaDevi	II Year A	Puzzle	01.10.2024	Department of EEE,Annapoorana Engineering college,Salem	
6	P.Dhivyabharathi	II Year A	Puzzle	01.10.2024	Department of EEE,Annapoorana Engineering college,Salem	
7	G.ElakiyaDevi	II Year A	Connection	01.10.2024	Department of EEE,Annapoorana Engineering college,Salem	
8	P.Dhivyabharathi	II Year A	Connection	01.10.2024	Department of EEE,Annapoorana Engineering college,Salem	
9	S.Deepalakshmi	II Year A	Connection	01.10.2024	Department of EEE,Annapoorana Engineering college,Salem	
10	R.Dhivya	II Year A	Connection	01.10.2024	Department of EEE,Annapoorana Engineering college,Salem	
11	M.Viswa	II Year A	Connections,Brain Teaser,Logo Quiz	25.10.2024	Department of ECE,K.Ramakrishnan College of Technology,Tiruchirappalli	

12	Abineshkumar B	IV Year ECE	Treasure Hunt	13.10.23	Department of ECE, Salem College Engineering and Technology, Salem	
13	Vasanth P	IV Year ECE	Treasure Hunt	13.10.23	Department of ECE, Salem College Engineering and Technology, Salem	
14	Vijaykarthick A	IV Year ECE	Treasure Hunt	13.10.23	Department of ECE, Salem College Engineering and Technology, Salem	
15	R.Adhavan	III Year A	Quiz	25.10.2024	Department of Artificial Intelligence and Data Science, Mahendra College of Engineering, Salem	
16	Kaviarasan	II Year A	Circuit Debugging	28.10.2024	Department of ECE, Salem College of Engineering and Technology, Salem	
17	S.sabarish	II Year A	Circuit Debugging	28.10.2024	Department of ECE, Salem College of Engineering and Technology, Salem	
18	S.Rahul	II Year A	Circuit Debugging	28.10.2024	Department of ECE, Salem College of Engineering and Technology, Salem	
19	K.Sanjiv	II Year A	Circuit Debugging	28.10.2024	Department of ECE, Salem College of Engineering and Technology, Salem	
20	A.Ramanidharan	II Year A	Circuit Debugging	28.10.2024	Department of ECE, Salem College of Engineering and Technology, Salem	

Student Co-ordinator's:

- 1.Kalil Mohammad. B
- 2.Kannan. K. R
- 3.Shyamal.H

Editor:

1. Dr.R.Prabhu, ASP/ECE,
- 2.Dr.E.Sathish Kumar,ASP/ECE,







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Modern tool usage:

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The engineer and society:

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Environment and sustainability:

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A Individual and team work:

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Communication:

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Project management and 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.

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 ORGANIZED BY DEPARTMENT

Department of Electronics and Communication Engineering conducted Alumni Talk Series on “Enterpreneurship Awareness Programme on Software Domain” at 18.03.2025.

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INSTITUTION'S INNOVATION COUNCIL
(Ministry of HRD Education)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
Organizing Alumni Talk Series on
ENTREPRENEURSHIP AWARENESS PROGRAMME ON SOFTWARE DOMAIN

System Software

Students
18/03/2025
10:30 AM - 11:30 AM
Michael Faraday hall

Mr. Manoj prabakar G
Senior software engineer
In IDP education Private limited



Department of Electronics and Communication Engineering conducted online workshop on “Intellectual Property Rights (IPRs) And IP Management For Startups”, at 07.04.2025.

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INSTITUTION'S INNOVATION COUNCIL
(Ministry of HRD Education)

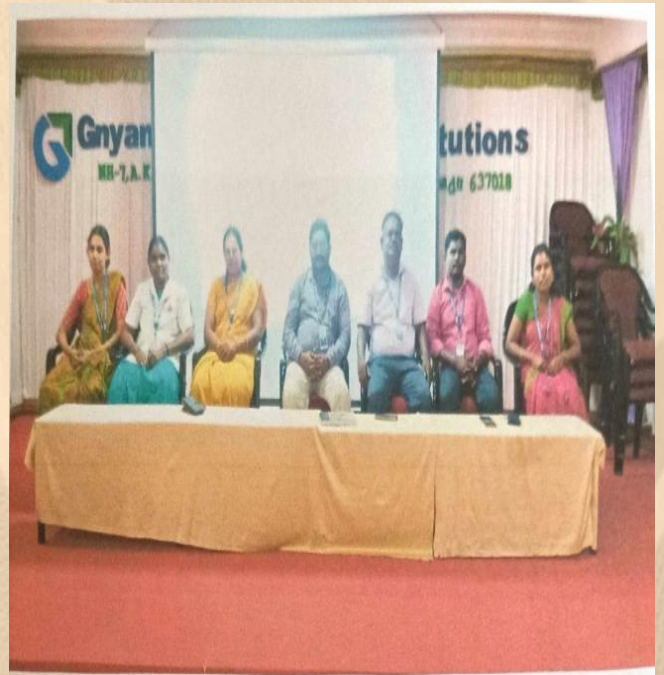
Department of Electronics and Communication Engineering in association with EDC and IIC
Organizing Workshop on

“INTELLECTUAL PROPERTY RIGHTS (IPRs) AND IP MANAGEMENT FOR STARTUPS”

Dr. T. PREETHIYA,
Assistant Professor,
Department of Networking and Communications,
SRM Institute of Science and Technology

Students
07.04.2025 (Monday)
10.00 am to 12.30 pm
Michael Faraday Hall

+91 7598293888 | info@gct.org.in | www.gct.org.in



Department of Electronics and Communication Engineering Field Visit on “Flytutor Technologies Private Limited” at 10.02.2025.



FACULTY ACTIVITIES

Faculty development/training activities/STTPs

Sl. No.	Faculty name	Title of the Conference / Seminar / Workshop / FDP/ STTP Attended	Date	Venue
1.	P.Thenmozhi	FDTP on “CEC 331-4G/5G Communication Networks”	27.01.2025 to 01.02.2025	Muthayammal College of Engineering ,Rasipuram
2.	P.SasiPriya	FDTP on “CEC 331-4G/5G Communication Networks”	27.01.2025 to 01.02.2025	Muthayammal College of Engineering ,Rasipuram
3.	R.Poomurugan	FDTP on “CEC 331-4G/5G Communication Networks”	27.01.2025 to 01.02.2025	Muthayammal College of Engineering ,Rasipuram
4.	R.Guruprasath	FDTP on “CEC 331-4G/5G Communication Networks”	27.01.2025 to 01.02.2025	Muthayammal College of Engineering ,Rasipuram
5.	P.Thenmozhi	FDP on “Exploring the Insights in Quantum Computing and Artificial Intelligence”	20.01.2025 to 25.01.2025	Excel Engineering College
6.	P.Sasipriya	FDP on “Innovative Design Thinking Strategies for Next Generation AI Solutions”	03.02.2025 to 08.02.2025	Vivekanandha College of Engineering for Women
7.	P.Sasipriya	FDP on “Innovative Design Thinking Strategies for Next Generation AI Solutions”	03.02.2025 to 08.02.2025	St.Mother Therasa Engineering College
8.	R.Poomurugan	FDP on “Sensors and their applications”	17.02.2025 to 22.02.2025	St.Mother Therasa Engineering College
9.	M.Kamalanathan	FDP on “Sensors and their applications”	17.02.2025 to 22.02.2025	St.Mother Therasa Engineering College
10.	K.Raja	Technical Workshop on “Integrating Neural Networks for timing and Power Optimization (VLSI)”	06.02.2025 & 07.02.2025	Karpagam Institute of Technology
11.	M.Kamalanathan	Virtual FDP on “Innovations on Outcome Based Education in Engineering”	03.02.2025 to 07.02.2025	Sree Sakthi Engineering College
12.	R.Poomurugan	Virtual FDP on “Innovations on Outcome Based Education in Engineering”	03.02.2025 to 07.02.2025	Sree Sakthi Engineering College
13.	M.Nithya	Virtual FDP on “Innovations on Outcome Based Education in Engineering”	03.02.2025 to 07.02.2025	Sree Sakthi Engineering College
14.	P.Vaijyanthi	Virtual FDP on “Innovations on Outcome Based Education in Engineering”	03.02.2025 to 07.02.2025	Sree Sakthi Engineering College
15.	M.Kamalanathan	Virtual FDP on “Applied AI & ML: From Concepts to Real World Applications in Teaching”	26.05.2025 to 30.05.2025	Dr.M.G.R Educational and Research Institute
16.	M.Suganya	NPTEL Online Certification on “Introduction to Internet of Things”	Jan –Apr 2025 (12 Week Course) Elite+Silver	IIT,Kharagpur
17.	M.Suganya	FDP on “Introduction to Internet of Things”	Jan –Apr 2025	IIT, Kharagpur

18.	M.Suganya	Workshop “Innovation and Integration of Neural Networks for timing and power optimization in VLSI”	06.02.2025 to 07.02.2025	Karpagam Institute of Technology, Coimbatore
19.	M.Suganya	Workshop for participating in “PROCOMPANION” at PROBE 2025	08.02.2025 to 09.02.2025	NIT

JOURNAL PUBLICATIONS

S.No	Faculty name	Paper Title	Journal Name Volume No, Month/ Year, Page Nos.	Impact Factor
1.	R.Prabhu	ANN FractalNet: Adaptive neuro-fuzzy FractalNet for iris recognition	Biomedical Signal Processing and Control	4.9
2.	R.Guruprasath	Advanced T-Shaped smart antenna architecture for improved mobile network efficiency	Journal of Industrial Textiles	3.0
3.	R.Guruprasath	IOT Based Smart Biofloc Monitoring System for Fish Farming using Machine Learning	IJSART	-
4.	K.Raja	Soft-Error Enhanced Low-Power 12t SRAM With Recoverability For Aerospace Applications	International Journal of Advanced Research in Computer and Communication Engineering	8.102
5.	P.Sasipriya	Solid-State Circuit Breakers: The Next Step in Power Protection	MAT Journals	-
6.	M.Suganya	IOT based Animal Repellent Device using RF Technology and mobile app Control	International Journal of Multidisciplinary Research in Science, Engineering and Technology (IJMRSET)	8.206
7.	M.Suganya	Intelligent Solar-Powered Animal detection and deterrence system with RF technology and web connectivity	International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE)	8.771

STUDENTS ACTIVITIES
SYMPOSIUM PAPER PRESENTATION

S NO	STUDENT NAME	DATE	PAPER TITLE	TITLE OF SYMPOSIUM	ORGANIZING INSTITUTION & VENUE	PRIZE\AWARD
1	M.NISHA	22.03.25	GPS RETRANSMISSION SYSTEM	E'NNOVATE-25	AVS ENGINEERING COLLEGE	-
2	G.SANJAY	22.03.25	GPS RETRANSMISSION SYSTEM	E'NNOVATE-25	AVS ENGINEERING COLLEGE	-
3	P.MAHESWARI	22.03.25	LI-FI TECHNOLOGY	E'NNOVATE-25	AVS ENGINEERING COLLEGE	-
4	T.RAGAVI	22.03.25	LI-FI TECHNOLOGY	E'NNOVATE-25	AVS ENGINEERING COLLEGE	-
5	G.NARMATHA	22.03.25	VLSI	E'NNOVATE-25	AVS ENGINEERING COLLEGE	-
6	S.PUGALARASAN	22.03.25	VLSI	E'NNOVATE-25	AVS ENGINEERING COLLEGE	-
7	P.SHANMATHI	22.03.25	VLSI	E'NNOVATE-25	AVS ENGINEERING COLLEGE	-
8	C.S.MANASA	22.03.25	IOT FOR SIGNAL & IMAGE PROCESSING	E'NNOVATE-25	AVS ENGINEERING COLLEGE	-
9	B.PRABOTHIKA	22.03.25	IOT FOR SIGNAL & IMAGE PROCESSING	E'NNOVATE-25	AVS ENGINEERING COLLEGE	-
10	E.PRIYADHARSHINI	22.03.25	IOT FOR SIGNAL & IMAGE PROCESSING	E'NNOVATE-25	AVS ENGINEERING COLLEGE	-
11	V.P.LOKESHWARAN	22.03.25	HAPTICS TECHNOLOGY	E'NNOVATE-25	AVS ENGINEERING COLLEGE	-
12	T.NITHIYA	22.03.25	HAPTICS TECHNOLOGY	E'NNOVATE-25	AVS ENGINEERING COLLEGE	-
13	Z.ZABIR	22.03.25	HAPTICS TECHNOLOGY	E'NNOVATE-25	AVS ENGINEERING COLLEGE	-
14	B.KALIL MOHAMMED	17.03.25	ROTARY SYSTEM OF AIR BUS	YUKTI 2K25	AVS ENGINEERING COLLEGE	-
15	K.GOKUL PRASANTH	17.03.25	ROTARY SYSTEM OF AIR BUS	YUKTI 2K25	AVS ENGINEERING COLLEGE	-
16	SUDHARSON.S	06.02.25 TO 07.02.25	VLSI	VARNAM	KARPAGAM INSTITUTE OF TECHNOLOGY	-
17	A.VIJAYENDHRAA	06.02.25 TO 07.02.25	VLSI	VARNAM	KARPAGAM INSTITUTE OF TECHNOLOGY	-
18	R.SURIYA	06.02.25 TO 07.02.25	WIRELESS TECHNOLOGY	VARNAM	KARPAGAM INSTITUTE OF TECHNOLOGY	-
19	K.VEDABARATHI	06.02.25 TO 07.02.25	WIRELESS TECHNOLOGY	VARNAM	KARPAGAM INSTITUTE OF TECHNOLOGY	-
20	U.MURUGAVEL	06.02.25 TO 07.02.25	VLSI	VARNAM	KARPAGAM INSTITUTE OF TECHNOLOGY	-

21	D.RAMAKRISHNA	06.02.25 TO 07.02.25	VLSI	VARNAM	KARPAGAM INSTITUTE OF TECHNOLOGY	
22	P.SIVASAKTHI	06.02.25 TO 07.02.25	VLSI	VARNAM	KARPAGAM INSTITUTE OF TECHNOLOGY	
23	R.DHARSHAN	06.02.25 TO 07.02.25	VLSI	VARNAM	KARPAGAM INSTITUTE OF TECHNOLOGY	
24	D.DHINESH	08.02.25 TO 09.02.25	ARTIFICIAL EYE	KANAM'25	Dr. N. G.P INSTITUTE OF TECHNOLOGY AND N.G.P. ARTS AND SCIENCE COLLEGE	
25	T.GOWTHAM	08.02.25 TO 09.02.25	ARTIFICIAL EYE	KANAM'25	Dr. N. G.P INSTITUTE OF TECHNOLOGY AND N.G.P. ARTS AND SCIENCE COLLEGE	
26	T.GOWTHAM	22.02.2025	WIRELESS COMMUNICA TION	ARIVOLI-2K25	KNOWLEDGE INSTITUTE OF TECHNOLOGY,SALE M	
27	S.DEEPAK VARMAN	27.02.2025	VERY LARGE SCALE INTEGRATION	FRACTALS'25	SONA COLLEGE OF TECHNOLOGY, SALEM	
28	B.KALIL MOHAMAD	29.03.2025	ROTARY SYSTEM OF AIR BUS	ABHIGYAAN 2K25	DHIRAJLAL GANDHI COLLEGE OF TECHNOLOGY	
29	P.VIGNESHW ARAN	04.04.2025	HIGH VOLTAGE CURRENT TRANSMISSIO N	ELECTRIC INTELLIGENZ 2K25	MAHENDRA ENGINEERING COLLEGE	
30	VEDABARAT HI K	04.04.2025	HIGH VOLTAGE CURRENT TRANSMISSIO N	ELECTRIC INTELLIGENZ 2K25	MAHENDRA ENGINEERING COLLEGE	
31	M.SANJAY	04.04.2025	HIGH VOLTAGE CURRENT TRANSMISSIO N	ELECTRIC INTELLIGENZ 2K25	MAHENDRA ENGINEERING COLLEGE	
32	M.SAKTHIVEL	04.04.2025	IMAGE PROCESSING	ELECTRIC INTELLIGENZ 2K25	MAHENDRA ENGINEERING COLLEGE	
33	D.RAMAKRISH NA	04.04.2025	IMAGE PROCESSING	ELECTRIC INTELLIGENZ 2K25	MAHENDRA ENGINEERING COLLEGE	
34	V.P.LOKESHW ARAN	04.04.2025	AI INTERACTS WITH INDUSTRIAL SECTORS	ELECTRIC INTELLIGENZ 2K25	MAHENDRA ENGINEERING COLLEGE	
35	Z.ZABIR	04.04.2025	AI INTERACTS WITH INDUSTRIAL SECTORS	ELECTRIC INTELLIGENZ 2K25	MAHENDRA ENGINEERING COLLEGE	

36	S.DEEPAKVAR MAN	04.04.2025	IOT	COMPCOM 2K25	GOVERNMENT COLLEGE OF ENGINEERING,SALE M	
37	GOWTHAM.T	04.04.2025	IOT	COMPCOM 2K25	GOVERNMENT COLLEGE OF ENGINEERING,SALE M	
38	GOWTHAM.T	08.04.2025	12 VOLT TO 220 VOLT POWER CONVERTER	KAISER 2025	HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY,COIM BATORE	
39	B.KALIF MOHAMMAD	08.04.2025&09.04. 2025	ROTARY SYSTEM OF AIR BUS	TECHFEST 2K25	PAAVAI COLLEGE OF ENGINEERING,PACH AL	
40	B.KALIL MOHAMMAD	22.04.2025	HAPTIC TECHNOLOGY	MINDSPARK'2 5	BHARATHIYAR INSTITUTE OF ENGINEERING FOR WOMEN, THALAIVASAL	

OTHER EVENTS

S.NO	STUDENT NAME	Title of the Events (CAD Modeling, Water Rocket, Glider etc)	DATE	Organizing Institution & Venue	PRIZE/AWARD
1	T.DHIVIJA	EMBEDDED SYSTEMS DESIGN	17.1.2025	THE DIGITAL ADDA	
2	T.DHIVIJA	ETHICAL HACKING	18.1.2025	THE DIGITAL ADDA	
3	R.RAM KUMAR	DATA PRIVACY QUIZ	31.1.2025	HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE.	
4	J.PUGAZHENTHI	DATA PRIVACY QUIZ	31.1.2025	HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE.	
5	B.KALIL MOHAMMED	FOUNDATIONS OF DRONE TECHNOLOGY: PRINCIPLES AND PRACTICAL APPLICATIONS	21.02.2025	IG DRONES THROUGH SKILL INDIA DIGITAL HUB	
6	A.K.KARTHIKEYAN	AI-DRIVEN NETWORKING: NEXT GEN CONNECTIVITY AND INNOVATION	22.02.2025	JUNIPER NETWORKS	
7	A.JONCE	AI-DRIVEN NETWORKING: NEXT GEN CONNECTIVITY AND INNOVATION	22.02.2025	JUNIPER NETWORKS	
8	P.V.BHARATH	IDEA PRESENTATION	28.02.2025	SONA COLLEGE OF TECHNOLOGY,SALEM.	
9	T.RAGAVI	CONNECTIONZ	22.03.2025	AVS ENGINEERING COLLEGE	
10	DHINESH	SEO FUNDAMENTALS IN 90 MINS	26.01.2025-	WSCUBE TECH	
11	P.V.BHARATH	MACHINE LEARNING WITH PYTHON	27.01.2025	IT SONIX SOLUTIONS	
12	K.HARI PRASATH	MACHINE LEARNING WITH PYTHON	13.10.23	IT SONIX SOLUTIONS	
13	T.DHIVIJA	Treasure Hunt	13.10.23	Department of ECE, Salem College Engineering and Technology, Salem	
14	Vijaykarthick A	Treasure Hunt	13.10.23	Department of ECE, Salem College Engineering and Technology, Salem	

PROJECT PRESENTATION
WORTHY MENTIONING ACTIVITIES

Sl. No.	Student name	Title of the Project	Title of the Programme	Date	Organizing Institution & Venue
1	K.TAMILARASU	OBSTACLE AVOIDANCE ROBOT CAR	VIDYUTRENZ	04.02.2025	CHENNAI INSTITUTE OF TECHNOLOGY, CHENNAI.
2	K.R.KANNAN	OBSTACLE AVOIDANCE ROBOT CAR	VIDYUTRENZ	04.02.2025	CHENNAI INSTITUTE OF TECHNOLOGY, CHENNAI.
3	H.SHYAMAL	OBSTACLE AVOIDANCE ROBOT CAR	VIDYUTRENZ	04.02.2025	CHENNAI INSTITUTE OF TECHNOLOGY, CHENNAI.
4	B.SURYA	OBSTACLE AVOIDANCE ROBOT CAR	VIDYUTRENZ	04.02.2025	CHENNAI INSTITUTE OF TECHNOLOGY, CHENNAI.

Student Co-ordinator's:

- 1.Surya. B
- 2.Gokul Prasanth K
- 3.Vigneshwaran P

Editor:

Dr.R.Prabhu, ASP/ECE,
Dr.E.Sathish Kumar,ASP/ECE,



