



Gnanamani

College of Technology

Accredited by NAAC 'A' Grade & NBA

AUTONOMOUS

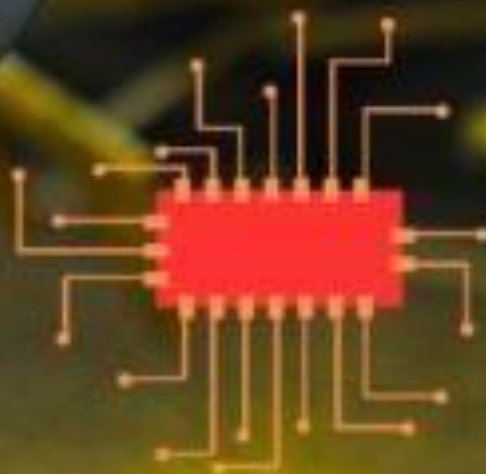
Volume 8
Issue 1
2023-2024

ELECTRO VISION

ELECTRONICS AND COMMUNICATION ENGINEERING



5G



**NH-7, A.K.Samuthiram, Pachal P.O,
Namakkal, Tamil Nadu 637018**

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.

VISION

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 workshop on Writing Research Proposals at 24.06.2023.

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING IN ASSOCIATION WITH IQAC & IE

Organized Workshop on

WRITING RESEARCH PROPOSALS

Dr. A. Kumaravel
Professor and Dean,
School of Building and Mechanical Science,
K. S. Rangasamy College of Technology

Faculties
24.06.2023
10:30 am to 12:30 pm (Saturday)
Michael Faraday Hall

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



Department of Electronics and Communication Engineering conducted a Webinar on "Converting Innovation into a start- up" at 11.08.2023.

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING IN ASSOCIATION WITH EDC & IIC

Organizing Webinar on

"CONVERTING INNOVATION INTO A START-UP"

Mr. T.P. Karthik,
Social Commerce Entrepreneur &
Project Manager,
IT Industry, Chennai.

Students
11.08.2023 (Friday)
10.30 am to 12.30 pm
Michael Faraday hall

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Department of Electronics and Communication Engineering conducted online workshop on “Problem solving and Ideation in Agriculture using Artificial Intelligence Machine Learning”, at 04.10.2023

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INSTITUTION'S INNOVATION COUNCIL
(Ministry of HRD Initiative)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING IN ASSOCIATION WITH EDC AND IIC
organizing online workshop on

PROBLEM SOLVING AND IDEATION IN AGRICULTURE USING ARTIFICIAL INTELLIGENCE MACHINE LEARNING

Dr. K. Deeba, M.E., Ph.D.,
Assistant Professor (Sr.G),
SRM Institute of Science and Technology,
Chennai

Join us

Students
4.10.2023 (Wednesday)
11.00 am to 12.30 pm

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Department of Electronics and Communication Engineering conducted a Guest Lecture on “Innovation Pathway for Transforming Indians to Transform India” at 13.10.2023

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INSTITUTION'S INNOVATION COUNCIL
(Ministry of HRD Initiative)

DEPARTMENT OF ECE & EEE IN ASSOCIATION WITH EDC AND IIC
Organize Guest Lecture on

“INNOVATION PATHWAY FOR TRANSFORMING INDIANS TO TRANSFORM INDIA”

Ms. S. Sowmya,
Soft Skill / Verbal Coach,
Chinmaya Mission,
Salem.

Join us

Students
10.00 am to 12.00 pm
13.10.2023 (Friday)
Michael Faraday Hall

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FACULTY ACTIVITIES

Faculty development/training activities/STTPs

Sl. No.	Faculty name	Title of the Conference / Seminar / Workshop / FDP/ STTP Attended	Date	Venue
1.	M.Kamalanathan	FDP on “Antenna &RF Design for modern wireless system”	10.07.2023-14.07.2023	Muthayammal engineering college
2.	M.Kamalanathan	FDP on “Emerging Technology in Electronics Engineering”	28.08.2023-02.09.2023	AVS College of technology
3.	M.Kamalanathan	FDP on “VLSI and chip design”	14.08.2023, 16.08.2023 to 19.08.2023	PSNA college of engineering &technology
4.	K.Raja	FDP on “Emerging Technology in Electronics Engineering”	28.08.2023-02.09.2023	AVS College of technology
5.	P.Thenmozhi	FDP on “Emerging Technology in Electronics Engineering”	28.08.2023-02.09.2023	AVS College of technology
6.	P.Thenmozhi	FDP on “Cloud infrastructure”	21.08.2023-25.08.2023	Nehru Institute of Engineering and Technology
7.	Dr.K.Anand	Workshop on “Analog and Mixed signal VLSI Design &prototyping using open source EDA Tools”	19.06.2023-23.06.2023	Erode sengunthar engineering college
8	Dr.K.Anand	FDP on “Innovative Teaching methodology-A creative pedagogy”	31.07.2023-04.08.2023	D.Y.Patil college of engineering
9.	Dr.K.Anand	STTP on “Research publication ,copyright and patents in science and technology”	03.07.2023-07.07.2023	P.R.Pote Patil group of education &Welfare Trust’s college of Engineering &Management
10.	Dr.K.Anand	FDP on “Artificial Embedded systems”	24.07.2023-28.07.2023	National Institute of Technical Teachers Training and Research, Chandigarh
11	Dr.K.Anand	FDP on “OBE and NBA Accreditation”	07.08.2023-11.08.2023	National Institute of Technical Teachers Training and Research, Chandigarh
12	Dr.K.Anand	One day workshop on “Accreditation and Academic Excellence”	21.07.2023	Vellore Institute of Technology

13	Dr.K.Anand	FDP on “Antenna &RF Design for modern wireless system”	10.07.2023-14.07.2023	Muthayammal engineering college
14.	Dr.K.Anand	FDP on “Current Trends in Engineering ,Science and Technology”	03.07.2023-08.07.2023	Sree Sakthi Engineering college
15	Dr.K.Anand	FDP on “Realizing the benefits of Academic Research”	10.07.2023-15.07.2023	Sree Sakthi Engineering college
16	R.Poomurugan	FDP on “Antenna &RF Design for modern wireless system”	10.07.2023-14.07.2023	Muthayammal engineering college
17.	E.Sathish kumar	FDP on “Antenna &RF Design for modern wireless system”	10.07.2023-14.07.2023	Muthayammal engineering college
18	G.Arunachalam	FDP on “Antenna &RF Design for modern wireless system”	10.07.2023-14.07.2023	Muthayammal engineering college
19	Dr.K.Anand	FDP on “Neural Networks and Fuzzy Logic”	21.08.2023-01.09.2023	National Institute of Technical Teachers Training and Research, Chandigarh
20	Dr.K.Anand	FDP on “Antenna &RF Design for modern wireless system”	10.07.2023-14.07.2023	Muthayammal engineering college

JOURNAL PUBLICATIONS

S.No	Faculty name	Paper Title	Journal Name Volume No, Month/ Year, Page Nos.	Impact Factor
1.	R.Prabhu	Improved Steganography for IOT network node data security promoting secure data transmission using generative adversarial networks	The Scientific Temper(2023) Vol. 14(3): 938-943	
2.	K.Raja	An Efficient Hardware Implementation of Canny Edge Detection Algorithm	International Journal For Trend in Scientific Research & Development(IJTSRD) Vol. 7, Issue 5, 2023 ISSN (online): 2456-6470,pg 309	8.125
3.	P.Thenmozhi	Implementation of PID Controller PWM Module on FPGA	International Journal For Trend in Scientific Research & Development(IJTSRD) Vol. 7, Issue 5, 2023 ISSN (online): 2456-6470	8.125
4.	P.Thenmozhi	A Low Power and High Accuracy Approximate Multiplier with Reconfigurable truncation	International journal of creative Research thoughts(IJCRT) Volume11,issue 7 july 2023 ISSN :2320-2882	7.97
5.	R.Prabhu	A Power saving routing protocol in wireless sensor network	International Journal for Science and Advance Research in Technology(IJSART) Vol.9,issue 9 September 2023 issn(online):2395-1052	
6.	R.Guruprasath	A Power saving routing protocol in wireless sensor network	International Journal for Science and Advance Research in Technology(IJSART) Vol.9,issue 9 september 2023 issn(online):2395-1052	
7.	M.Suganya	Design and Implementation of Decoder Based Approximate Multiplier for Low Power and Low Area Applications	International Journal of Innovative Research in Computer and Communication Engineering Vol 11,Issue 10, October 2023	

CONFERENCE/ SYMPOSIUM (INTERNATIONAL/NATIONAL LEVEL) PAPER PRESENTATION

S. No	Faculty name	Date	Paper Title	Title of Conference / Symposium	Proceedings Volume No, page no's	Organizing Institution & Venue
1	Dr.K.Anand	21.09.2023-22.09.2023	Wavelet based type-1 fuzzy neural network PID controller for BLDC motor	International conference on engineering and technology		Selvam college of technology
2	Dr.K.Anand	21.09.2023-22.09.2023	Musical instrument recognition in polyphonic music using RNN	International conference on engineering and technology		Selvam college of technology
3	Dr.G.Arunachalam	21.09.2023-22.09.2023	Musical instrument recognition in polyphonic music using RNN	International conference on engineering and technology		Selvam college of technology
4	Dr.G.Arunachalam	21.09.2023-22.09.2023	Wavelet based type-1 fuzzy neural network PID controller for BLDC motor	International conference on engineering and technology		Selvam college of technology
5	P.Themmozhi	21.09.2023-22.09.2023	Musical instrument recognition in polyphonic music using RNN	International conference on engineering and technology		Selvam college of technology

RESEARCH PROPOSALS SUBMITTED FOR FUNDING AGENCIES

Sl. No.	Faculty name	Seminar / Workshop / Conference / Symposium / FDP / Research	Title of the Proposal	Name of Funding Agency	Applied Date	Amount (Rs)	Remarks
1.	Dr.K.Anand	Project	Generating Electricity by using Trash	Tamil Nadu State Council for Science and Technology	06.10.2023	-	-
2.	Dr.K.Anand	Project	Paddy Field Monitoring System	Tamil Nadu State Council for Science and Technology	06.10.2023	-	-
3.	R.Poomurugan	Project	Propeller LED display	Tamil Nadu State Council for Science and Technology	06.10.2023	-	-
	Mr.R.Prabhu	Project	Self Driving Cars using Arduino	Tamil Nadu State Council for Science and Technology	06.10.2023	-	-

WORKSHOP / SEMINAR / GUEST LECTURES

S.No	Faculty Name	Date	Title of the Programme	Duration (Days)	No. of Participants	Resource Person Name, Designation & Address
1.	Mr.R.Prabhu,AP/E ECE	11-08-2023	Webinar on “Converting Innovation into a Start – Up”	1	56	Mr.T.P.Karthik, Social Commerce Entrepreneur & Project Manager, IT Industry,Chennai.
2.	Mrs.P.Thenmozhi, AP/ECE	04-10-2023	Workshop (online) on “Problem solving and ideation in agriculture using AI machine Learning”	1	77	Dr.K.Deeba, Assistant Professor (Sr.G) SRM Institute of Science and technology
3.	Mr.R.Prabhu,AP/E ECE	13-10-2023	Guest Lecture on “Innovation Pathway for Transforming Indians to Transform India”	1	120	Ms.S.Sowmaya Soft skill/Verbal coach, Chinmayasalem,
4.	Dr.R.Prabhu,ASP/ ECE	04-11-2023	Alumni Talk Series on “Personal Development and Leadership Program”	1	85	Mr. Sasti Kumar, Sales Executive, Greytip Software Pvt. Ltd, Bangalore.
5.	Dr.R.Prabhu,ASP/ ECE	04-11-2023	Guest Lecture on “PCB Design using Proteus 8 Professional”	1	56	Mr.S.Aravinth, Senior Project Engineer, IPCS Global Pvt Ltd. Salem
6.	Mr.R.Poomurugan, AP/ECE	08-11-2023	Alumni Talk Series on “Opportunities in Information Technology and How to be Industry Ready’	1	114	Mr.Harivignesh, Associate Software Engineer, Hexaware Technologies, Chennai”
7.	Mr.R.Guruprasath, AP/ECE	18-11-2023	Alumni Talk Series on “Corporate Expectations of Graduate Fresher’s”	1		Mr.V. Ganesh, Senior Transact Technical Consultant, Aspire Systems, Chennai.
8.	Mr.R.Poomurugan, AP/ECE	18-11-2023	Alumni Talk Series on “Crafting Your future with Android”	1		Mr.M.Karthick, Software Engineer - Android, Paytim, Bangalore.
9.	Mr.K.Raja,AP/EC E	06.12.2023	Workshop (online) on “Design Thinking: Sparking Innovation and Creativity”	1	63	Mr.S.Pragadeswaran, Assistant Professor,Karpagam Institute of Technology
10	Mr.M.Kamalanathan, AP/ECE	9-12-2023	Alumni Talk (online) on “Web Development”	1	63	Sanjay Babu Software Engineer ProZ Solutions Namakkal
11	Mr.M.Kamalanathan, AP/ECE	9-12-2023	Alumni Talk (online) on “Basic Electronics”	1	63	Madhan P Hardware / Devops Engineer Engineer ProZ Solutions Namakkal

OTHER WORTH MENTIONING ACTIVITIES

Sl. No.	Faculty name	Date	Activity	Awarding Institution / Organization / Journal
1	Dr.K.Anand	23.03.2023	Research in a “Q1 journal”	Centre for Research,Anna University
2	Dr.G.Arunachalam	12.08.2023	Emerging Researcher award	Ramfo Academic and Research Excellence Awards Rare
3	Dr.K.Anand	29.10.2022 to 29.10.2024	Reviewer of American Journal of Neural Networks and Applications(AJNNA)	Science Publishing Group INC.
4	Dr.K.Anand	09.08.2023	Designing Course Outcomes and Outcomes – focused Questions	Inpods
5	Dr.K.Anand	28.06.2023	Utilization of Library Resources	NDLI Club of Gnanamani College of Technology

INDUSTRIAL VISIT ARRANGED FOR STUDENTS.

S.No	Faculty name	Name and address of the company	Date	Contact person details	Class/branch	No of students
1	Mr.R.Poomurugan,AP/ECE, Dr.G.Arunachalam,AP/ECE, Dr.R.Prabhu,AP/ECE	Kerala Electrical & Allied Engineering Co. Ltd	26.10.2023	Smitha Thomas, Kerala Electrical & Allied Engineering Co. Ltd	IV ECE	24
		Traco Cable Company Limited	27.10.2023	Deepa Merin Jacob	IV ECE	24
2	Mr.R.Guruprasath,AP/ECE, Mrs.M.Nithya,AP/ECE	Radio Astronomy centre, National Centre for Radio Astrophysics, Udhagamandalam	28.10.2023	Radio Astronomy centre, National Centre for Radio Astrophysics, Udhagamandalam	II ECE	46

STUDENTS ACTIVITIES SEMINARS / WORKSHOPS

S NO	STUDENT NAME	Year/Sec	DATE	TITLE OF THE SEMINAR WORKSHOP ATTENDED	ORGANIZING INSTITUTION & VENUE
1	Srinath.M	III Year ECE	8 Days 12.08.2023 to 30.08.2023	Online Lecture Series on” Transformation in Health Care:Smart Technologies”	K.S.Rangasamy College Of Technology(Autonomous)
2	Kesavan.E	III Year ECE	2 Days 24.08.2023 to 25.08.2023	VLSI System Design using Siemens EDA Tool&FPGA(workshop)	Muthayammal Engineering College
3	Dhivan Shankar.E	III Year ECE	2 Days 24.08.2023 to 25.08.2023	VLSI System Design using Siemens EDA Tool&FPGA(Workshop)	Muthayammal Engineering College
4	Vijaya kumar.V	IV Year ECE	2 Days 24.08.2023 to 25.08.2023	VLSI System Design using Siemens EDA Tool&FPGA(Workshop)	Muthayammal Engineering College
5	Vincent.J	IV Year ECE	2 Days 24.08.2023 to 25.08.2023	VLSI System Design using Siemens EDA Tool&FPGA(Workshop)	Muthayammal Engineering College
6	Abinaya A	IV Year ECE	07.09.2023	Youth Convention on Anti Human Trafficking	Gnanamani College Of Technology,Namakkal
7	Abinesh Kumar E	IV Year ECE	07.09.2023	Youth Convention on Anti Human Trafficking	Gnanamani College Of Technology,Namakkal
8	Dhaarani Priya P	IV Year ECE	07.09.2023	Youth Convention on Anti Human Trafficking	Gnanamani College Of Technology,Namakkal
9	Gd Naidu V	IV Year ECE	07.09.2023	Youth Convention on Anti Human Trafficking	Gnanamani College Of Technology,Namakkal
10	Ambika M	II Year ECE	6.10.23	Machine Learning Using AI Tools (Workshop)	Department of ECE,KSR Institute For Engineering And Technology,Thiruchengode
11	Athithya S	II Year ECE	6.10.23	Machine Learning Using AI Tools (Workshop)	Department of ECE,KSR Institute For Engineering And Technology,Thiruchengode

12	Gokulpriya S	II Year ECE	6.10.23	Machine Learning Using AI Tools (Workshop)	Department of ECE,KSR Institute For Engineering And Technology,Thiruchengode
13	Jilsha R	II Year ECE	6.10.23	Machine Learning Using AI Tools (Workshop)	Department of ECE,KSR Institute For Engineering And Technology,Thiruchengode
14	Kannan K R	II Year ECE	6.10.23	Machine Learning Using AI Tools (Workshop)	Department of ECE,KSR Institute For Engineering And Technology,Thiruchengode
15	Kathirvel B	II Year ECE	6.10.23	Hands On Experience With Electric Vehicle (Workshop)	Department of EEE,KSR Institute For Engineering And Technology,Thiruchengode
16	Manoj Kumar R	II Year ECE	6.10.23	Hands On Experience With Electric Vehicle (Workshop)	Department of EEE,KSR Institute For Engineering And Technology,Thiruchengode
17	Nagadharshini S	II Year ECE	6.10.23	Machine Learning Using AI Tools (Workshop)	Department of ECE,KSR Institute For Engineering And Technology,Thiruchengode
18	Nandhini P	II Year ECE	6.10.23	Machine Learning Using AI Tools (Workshop)	Department of ECE,KSR Institute For Engineering And Technology,Thiruchengode
19	Nitheeshkumar P	II Year ECE	6.10.23	Hands On Experience With Electric Vehicle (Workshop)	Department of EEE,KSR Institute For Engineering And Technology,Thiruchengode
20	Pradeepkumar S	II Year ECE	6.10.23	Machine Learning Using AI Tools (Workshop)	Department of ECE,KSR Institute For Engineering And Technology,Thiruchengode
21	Praveena S	II Year ECE	6.10.23	Machine Learning Using AI Tools (Workshop)	Department of ECE,KSR Institute For Engineering And Technology,Thiruchengode
22	Tamilarusu K	II Year ECE	6.10.23	Machine Learning Using AI Tools (Workshop)	Department of ECE,KSR Institute For Engineering And Technology,Thiruchengode
23	Tharun M	II Year ECE	6.10.23	Hands On Experience With Electric Vehicle (Workshop)	Department of EEE,KSR Institute For Engineering And Technology,Thiruchengode
24	Vishva M	II Year ECE	6.10.23	Hands On Experience With Electric Vehicle (Workshop)	Department of EEE,KSR Institute For Engineering And Technology,Thiruchengode

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	Gopi R	IV Year ECE	Speech Competition	05.10.23	Annapoorna Engineering College,Salem	I
2	Rubanchakravarthy M	IV Year ECE	Speech Competition	05.10.23	Annapoorna Engineering College,Salem	
3	G.D Naidu V	IV Year ECE	Speech Competition	05.10.23	Annapoorna Engineering College, Salem	
4	Vijay Karthick A	IV Year ECE	Speech Competition	05.10.23	Annapoorna Engineering College, Salem	
5	Vasanth P	IV Year ECE	Speech Competition	05.10.23	Annapoorna Engineering College,Salem	
6	Sivanandhan V	IV Year ECE	Speech Competition	05.10.23	Annapoorna Engineering College, Salem	
7	Gowtham S	IV Year ECE	Speech Competition	05.10.23	Annapoorna Engineering College, Salem	
8	Deepak R	II Year ECE	PHOTOGRAPHY	13.10.23	Department of ECE,Salem College Engineering And Technology,salem	
9	Dhileep R	II Year ECE	PHOTOGRAPHY	13.10.23	Department of ECE,Salem College Engineering And Technology,salem	
10	Vijaykarthick A	IVYear ECE	TREASURE HUNT	13.10.23	Department of ECE,Salem College Engineering And Technology,salem	I
11	Dinesh Kumar S	II Year ECE	PHOTOGRAPHY	13.10.23	Department of ECE,Salem College Engineering And Technology,salem	I
12	Abineshkumar B	IV Year ECE	TREASURE HUNT	13.10.23	Department of ECE,Salem College Engineering And Technology,salem	I
13	Vasanth P	IV Year ECE	TREASURE HUNT	13.10.23	Department of ECE,Salem College Engineering And Technology,salem	I

PROJECT PRESENTATION

Sl. No.	Student name	Year	Title of the Project	Title of the Programme	Date	Organizing Institution & Venue
1	Karthikeyan S	III Year ECE	Project Presentation	TECHFINIX'23 National Level Technical Symposium	Two days (19.10.23, 20.10.23)	Paavai Engineering College,Pachal
2	Dheseswaran. G	III Year ECE	Project Presentation	TECHFINIX'23 National Level Technical Symposium	Two days (19.10.23, 20.10.23)	Paavai Engineering College,Pachal
3	Kumaresan.S	III Year ECE	Project Presentation	TECHFINIX'23 National Level Technical Symposium	Two days (19.10.23, 20.10.23)	Paavai Engineering College,Pachal
4	Manikandan.S	III Year ECE	Project Presentation	TECHFINIX'23 National Level Technical Symposium	Two days (19.10.23, 20.10.23)	Paavai Engineering College,Pachal
5	Keasavan E	III Year ECE	Project Presentation	TECHFINIX'23 National Level Technical Symposium	Two days (19.10.23, 20.10.23)	Paavai Engineering College,Pachal

OTHER WORTH MENTIONING ACTIVITIES

Sl. No.	Student name	Date	Activity	Awarding Institution / Organization / Journal
1	Gopi R	05.10.23	SPEECH COMPETITION (First Prize)	DMK Engineers association
2	Dinesh Kumar S	13.10.23	PHOTOGRAPHY (First Prize)	Department of ECE,Salem College Engineering And Technology,salem
3	Abineshkumar B	13.10.23	TREASURE HUNT (First Prize)	Department of ECE,Salem College Engineering And Technology,salem
4	Vasanth P	13.10.23	TREASURE HUNT (First Prize)	Department of ECE,Salem College Engineering And Technology,salem
5	Vijaykarthick A	13.10.23	TREASURE HUNT (First Prize)	Department of ECE,Salem College Engineering And Technology,salem

INTERNSHIPS

Sl. No.	Student Name	Duration (Days)	Title of the Internship	Company Name	Address with Contact Number
1	Barani G	12 Days	Web Designing	Livewire Future Skills Solutions	Namakkal
2	Deepika J	15 Days	Java	Emglitz Technologies	100-2 Jalai Street, Junction Main Rd, Azad Nagar, Salem, Tamil Nadu 636005. info@emglitz.com
3	Dhanusha A	15 Days	Iot	Emglitz Technologies	100-2 Jalai Street, Junction Main Rd, Azad Nagar, Salem, Tamil Nadu 636005. info@emglitz.com
4	Dhatchenamoorathi P	15 Days	Iot	Emglitz Technologies	100-2 Jalai Street, Junction Main Rd, Azad Nagar, Salem, Tamil Nadu 636005. info@emglitz.com
5	Dhivan Sankar E	10 days	Embeddd Systems	Livewire Futureskills Solutions	Livewire Futureskills Solutions, Thirunelveli. www.livewirenamakkal.com
6	Divikkumar P	15 Days	IOT	Emglitz Technologies	EMGLITZ TECHNOLOGIES, 100-2 Jalai Street, Junction Main Rd, Azad Nagar, Salem, Tamil Nadu 636005. info@emglitz.com
7	Giridharan R	15 Days	IOT	Emglitz Technologies	EMGLITZ TECHNOLOGIES, 100-2 Jalai Street, Junction Main Rd, Azad Nagar, Salem, Tamil Nadu 636005. info@emglitz.com
8	Jagatheshwaran V	15 Days	IOT	Emglitz Technologies	EMGLITZ TECHNOLOGIES, 100-2 Jalai Street, Junction Main Rd, Azad Nagar, Salem, Tamil Nadu 636005. info@emglitz.com
9	Janani J	12 Days	Embedded Systems	Emglitz Technologies	EMGLITZ TECHNOLOGIES, 100-2 Jalai Street, Junction Main Rd, Azad Nagar, Salem, Tamil Nadu 636005. info@emglitz.com

10	Karthikeyan S	15 Days	Embedded Systems	Emglitz Technologies	EMGLITZ TECHNOLOGIES, 100-2 Jalai Street, Junction Main Rd, Azad Nagar, Salem, Tamil Nadu 636005. info@emglitz.com
11	Kesavan E	15 Days	AI & IOT	Emglitz Technologies	EMGLITZ TECHNOLOGIES, 100-2 Jalai Street, Junction Main Rd, Azad Nagar, Salem, Tamil Nadu 636005. info@emglitz.com
12	Kumaresan S	25 Days	Web Development	Durga Tech R&D	DURGA TECH R&D, o. 98, 52/3, Nehru St, Sub Line, Erode Fort, Erode, Tamil Nadu 638001
13	Lakshmanan S	15 Days	Java	Emglitz Technologies	EMGLITZ TECHNOLOGIES, 100-2 Jalai Street, Junction Main Rd, Azad Nagar, Salem, Tamil Nadu 636005. info@emglitz.com
14	Logeshwari T	15 Days	IOT	Emglitz Technologies	EMGLITZ TECHNOLOGIES, 100-2 Jalai Street, Junction Main Rd, Azad Nagar, Salem, Tamil Nadu 636005. info@emglitz.com
15	Madhumitha C B	12 Days	Embedded Systems	Emglitz Technologies	EMGLITZ TECHNOLOGIES, 100-2 Jalai Street, Junction Main Rd, Azad Nagar, Salem, Tamil Nadu 636005. info@emglitz.com
16	Meenatchi K	15 Days	Python	Emglitz Technologies	EMGLITZ TECHNOLOGIES, 100-2 Jalai Street, Junction Main Rd, Azad Nagar, Salem, Tamil Nadu 636005. info@emglitz.com
17	Meiyanban B	20 Days	Python	Emglitz Technologies	EMGLITZ TECHNOLOGIES, 100-2 Jalai Street, Junction Main Rd, Azad Nagar, Salem, Tamil Nadu 636005. info@emglitz.com
18	Mohammed Hussain Khan B	20 Days	Python	Emglitz Technologies	EMGLITZ TECHNOLOGIES, 100-2 Jalai Street, Junction Main Rd, Azad Nagar, Salem, Tamil Nadu 636005. info@emglitz.com
19	Mohan Kumar S	15 Days	IOT	Emglitz Technologies	EMGLITZ TECHNOLOGIES, 100-2 Jalai Street, Junction Main Rd, Azad Nagar, Salem, Tamil

ANY C (AWARDS, RECOGNITION, ETC.)

Sl. No.	Student name	Date	Activity	Awarding Institution / Organization / Journal
1	Gopi R	05.10.23	SPEECH COMPETITION (First Prize)	DMK Engineers association
2	Dinesh Kumar S	13.10.23	PHOTOGRAPHY (First Prize)	Department of ECE,Salem College Engineering And Technology,salem
3	Abineshkumar B	13.10.23	TREASURE HUNT (First Prize)	Department of ECE,Salem College Engineering And Technology,salem
4	Vasanth P	13.10.23	TREASURE HUNT (First Prize)	Department of ECE,Salem College Engineering And Technology,salem
5	Vijaykarthick A	13.10.23	TREASURE HUNT (First Prize)	Department of ECE,Salem College Engineering And Technology,salem

Student Co-ordinator's:

- 1.Pavithra S K
- 2.Meenatchi K
- 3.Nagadharshini S

Editor:

- 1.Dr.R.Prabhu, ASP/ECE&
- 2.Dr.K.Anand, AP/ECE







Gnanamani

College of Technology

Accredited by NAAC 'A' Grade & NBA

AUTONOMOUS

ELECTRO VISION

ELECTRONICS AND COMMUNICATION ENGINEERING

Volume 8
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2023-2024

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.

VISION

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 workshop on “Intellectual Property Rights (IRPS) and IP Management For Start - up” at 08.03.2024

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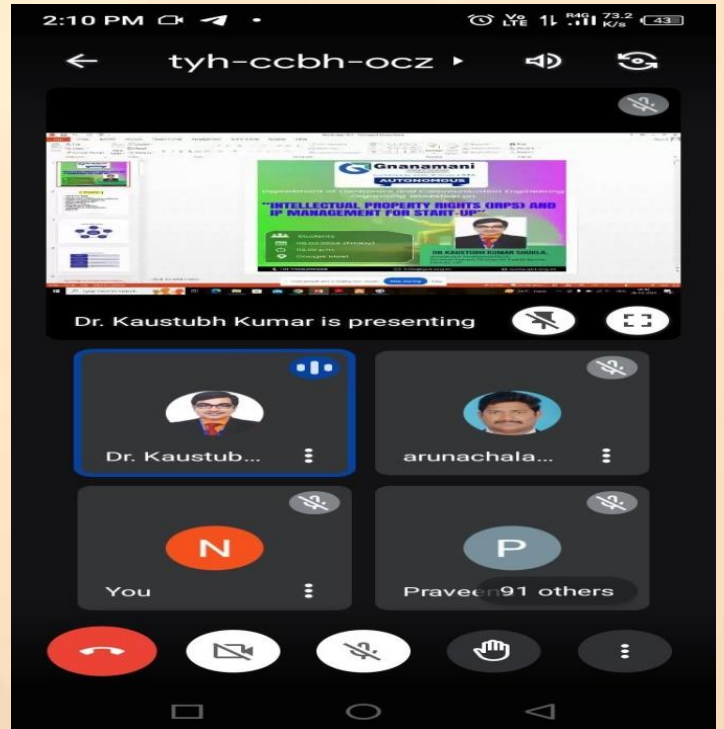
INSTITUTION'S INNOVATION COUNCIL
(Ministry of HRD Initiative)

Department of Electronics and Communication Engineering
In Association with IIC and EDC
Organizing Workshop on
“INTELLECTUAL PROPERTY RIGHTS (IRPS) AND IP MANAGEMENT FOR START-UP”

Students
08.03.2024 (Friday)
02.00 p.m.
Google Meet

DR. KAUSTUBH KUMAR SHUKLA,
Assistant Professor/ECE,
Dronacharya Group of Institutions,
Noida, UP

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



Department of Electronics and Communication Engineering conducted seminar on on “Entrepreneurship Awareness Programme”, at 26.04..2024.

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ISTE SOCIETY FOR TECHNICAL EDUCATION
INDIA

Department of Electronics and Communication Engineering
In Association with EDC, IIC
Organizing Seminar on
“ENTREPRENEURSHIP AWARENESS PROGRAMME”

Students
26.04.24
11.30 a.m.
Michael Faraday Hall

MR. SHREE SHARAN B
DIRECTOR AND HR MANAGER,
PROZ SOLUTIONS,
NAMAKKAL.

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



FACULTY ACTIVITIES
Faculty development/training activities/STTPs

Sl. No.	Faculty name	Title of the Conference / Seminar / Workshop / FDP/ STTP Attended	Date	Venue
1.	Dr.G.Arunachalam	Two days National Level Seminar on “ Semiconductor Technology for Healthcare Applications: From Microchips to Medical Devices”	16.02.2024 to 17.02.2024	Muthayammal Engineering College
2.	M.Kamalanathan	Two days National Level Seminar on “ Semiconductor Technology for Healthcare Applications: From Microchips to Medical Devices”	16.02.2024 to 17.02.2024	Muthayammal Engineering College
3.	K.Raja	Two days National Level Seminar on “ Semiconductor Technology for Healthcare Applications: From Microchips to Medical Devices”	16.02.2024 to 17.02.2024	Muthayammal Engineering College
4.	P.Vaijyanthi	Two days National Level Seminar on “ Semiconductor Technology for Healthcare Applications: From Microchips to Medical Devices”	16.02.2024 to 17.02.2024	Muthayammal Engineering College
5.	R.Guruprasath	Two days National Level Seminar on “ Semiconductor Technology for Healthcare Applications: From Microchips to Medical Devices”	16.02.2024 to 17.02.2024	Muthayammal Engineering College
6.	Dr.K.Anand	Two days National Level Seminar on “ Semiconductor Technology for Healthcare Applications: From Microchips to Medical Devices”	16.02.2024 to 17.02.2024	Muthayammal Engineering College
7.	M.Kamalanathan	Two day Virtual International Workshop on “ Unleashing Innovative Technologies”	19.02.2024 & 20.02.2024	Holy Cross College
8	K.Raja	Two day Virtual International Workshop on “ Unleashing Innovative Technologies”	19.02.2024 & 20.02.2024	Holy Cross College
9.	Dr.K.Anand	Webinar on “What’s the future of generative AI?”	28.02.2024	Study World College of Engineering

10	Dr.R.Prabhu	6 days FDTP on “CEC 367 – Industrial IOT & Industry 4.0”	12.02.2024 to 17.2.2024	Vivekanandha College of Engineering for Women
11	Dr.G.Arunachalam	6 days FDTP on “CEC 367 – Industrial IOT & Industry 4.0”	12.02.2024 to 17.2.2024	Vivekanandha College of Engineering for Women
12	Mr.R.Prabhu	6 days FDTP on “CEC 367 – Industrial IOT & Industry 4.0”	12.02.2024 to 17.2.2024	Vivekanandha College of Engineering for Women
13	Mrs.P.Thenmozhi	6 days FDTP on “CEC 367 – Industrial IOT & Industry 4.0”	12.02.2024 to 17.2.2024	Vivekanandha College of Engineering for Women

JOURNAL PUBLICATIONS

S.No	Faculty name	Paper Title	Journal Name Volume No, Month/ Year, Page Nos.	Impact Factor
1	R.Poomurugan	Spatial Reweighted based Super – Resolution Channel estimation for Mmwave massive Mimo with Hybrid Precoding	Spatial Reweighted based Super – Resolution Channel estimation for Mmwave massive Mimo with Hybrid Precoding	
2	Dr.K.Anand	A Novel Design of Mm-wave Antenna for WBN use cases	A Novel Design of Mm-wave Antenna for WBN use cases	
3	Dr.K.Anand	Certain Investigation on shell and tube heat exchanger in solar desalination for sustainable development using controller design and optimization studies	Certain Investigation on shell and tube heat exchanger in solar desalination for sustainable development using controller design and optimization studies	
4	Dr.K.Anand	Spectral-spatial dep densenet learning for multispectral image classification and analysis	Spectral-spatial dep densenet learning for multispectral image classification and analysis	
5	Dr.K.Anand	Design of Dynamic Voltage Restorer for Powewr Quality Improvement	Design of Dynamic Voltage Restorer for Powewr Quality Improvement	
6	Dr.K.Anand	A survey on Computational Techniques in WSN Networks	A survey on Computational Techniques in WSN Networks	
7	Dr.K.Anand	Intelligent Brain Tumor Detection and Classification using Image Processing	Intelligent Brain Tumor Detection and Classification using Image Processing	

CONFERENCE/ SYMPOSIUM (INTERNATIONAL/NATIONAL LEVEL) PAPER PRESENTATION

S.No	Faculty name	Date	Paper Title	Title of Conference / Symposium	Proceedings Volume No, page no's	Organizing Institution & Venue
1	Dr.K.Anand	06.03.2024 to 08.03.2024	Wavelet Neural Learning based Fuzzy Controller BLDC motor	International Conference on “ Research trends in AI & IoT for Infrastructure and Industry (AIII 2024)		Centre for Research, Anna University
2	Mr.K.Raja	20.03.2024	Research on Data Encryption Standard based on AES Algorithm in IOT Environment	8 th International Conference on Engineering Technology and Science (ICETS’ 24)		Muthayamal College of Engineering
3	Dr.K.Anand		Wavelet Neural Learning based Fuzzy Controller for BLDC Motor	International Conference on “Research Trends in AI and IoT for Infrastructure and Industry	ISBN-978-93-91930-97-4	
4	Dr.K.Anand	15.12.2023	Design and Development of Wearable Medical Devices for Health Monitoring	7 th International Conference on ISMAC 2023(IoT in Social, Mobile, Analytics and Cloud)	ISBN-979-8-3503-4148-5	IEEE EXPLORE
5	Dr.K.Anand	24.05.2024 & 25.05.2024	Optimized Spectrum Sensing on Dynamic SNR in Cognitive radio	First International Conference on “ MicroElectronic an Communication Technologies (MicroCT 2024)		Muthayamal Engineering College
6	M.Suganya	06.06.2024 & 07.06.2024	Energy Efficient Techniques to enhance the Network Life time in WSN using MAC Protocol”	12 th International Conference on Frontiers of Intelligent Computing : Theory and Applications (FICTA – 2024)		AI & DS Research Group, London Metropolitan University, London, UK

7	Dr.G.Arunchalam	08.06.2024	Tele-Rheumatology – Advanced Neural Network model for Remote Assessment and Management of Rheumatic Conditions	2024 10th International Conference on Communication and Signal Processing(ICCSP)	979-8-3503-5306-8/24	IEEE Xplore
8	Dr.G.Arunchalam	07.06.2024	IoT Data and Random Forest Algorithm for Optimized Crop Rotation Planning for Sustainable Agriculture	2024 10th International Conference on Communication and Signal Processing(ICCSP)	979-8-3503-5306-8/24	IEEE Xplore

RESEARCH PROPOSALS SUBMITTED FOR FUNDING AGENCIES

Sl. No.	Faculty name	Seminar / Workshop / Conference / Symposium / FDP / Research	Title of the Proposal	Name of Funding Agency	Applied Date	Amount (Rs)	Remarks
1	Dr.K.Anand, Dr.R.Prabhu	FDP	Next Generation Communication technologies with Artificial intelligence and Machine Learning	ATAL FDP	23.05.2024		

BOOKS PUBLICATION

S.No	Faculty name	Department	Title of the Book	Name of the Publisher	Year	ISBN
1	Dr.K.Anand	ECE	Circuits, systems and Signal Processing – Design of an Area Efficient and High – Performance Adder with a Novel Sum Generator	Springer Link	09.06.2024	

WORKSHOP / SEMINAR / GUEST LECTURES ORGANIZED

S.No	Faculty Name	Date	Title of the Programme	Duration (Days)	No. of Participants	Resource Person Name, Designation & Address
1.	Mr.R.Prabhu	21.02.2024	Achieving Problem-Solutions Fit and Product-Market Fit	Seminar	86	Dr.K.Vidyavathi Kamalakkannan Ph.D., Managing Director,MVS Homemade Products,Namakkal
2.	Mr.R.Prabhu	21.02.2024	Entrepreneurship Awareness Programme	Seminar	86	Shri M.Sabarigiri,Assistant Director(Electrical),MS ME Development and Facilitation Office,Ministry of MSME,Govt of India,Coimbatore
3.	M.Kamalanathan	02.03.2024	RTL TO GDSII	Alumni Talk Series	69	K.S.Prasanth-Lead Design Engineer Qualcomm Inc,Bangalore
4.	Dr.G.Arunachalam	08.03.2024	Intellectual Property Rights(IPRs)and IP Management for Startup	Workshop	69	Dr.Kaustubh Kumar Shukla.,Ph.D.,Assistant Professor,Dronacharya Group of Institutions,Greater Noida,Uttar Pradesh
5.	Dr.R.Prabhu	14.03.2024	Electracommunix	Symposium	164	Mr.Joshua David,India campus Lead,Mphasis,Ltd
6.	M.Kamalanathan	26.04.2024	Entrepreneurship Awareness Programme	Seminar	64	Mr.Shree Sharan.B,Director and HR Manager,Proz Solutions,Namakkal
7.	R.Poomurugan	02.05.2024	Cloud Technology	Guest Lecture	64	Ms.Janani Selvaraj,Tech Lead,Cognizant Technology Solutions,Chennai

**STUDENTS ACTIVITIES
SEMINARS / WORKSHOPS**

S NO	STUDENT NAME	DATE	TITLE OF THE SEMINAR WORKSHOP ATTENDED	ORGANIZING INSTITUTION & VENUE	PRIZE AWARD
1	Nagadharshini S	One day (29.02.24)	Workshop	Department of ECE, Vivekanandha College Of Engineering For Women Thiruchengode.	-
2	Nandhini P	One day (29.02.24)	Workshop	Department of ECE, Vivekanandha College Of Engineering For Women Thiruchengode.	-
3	Nagadharshini S	One day (06.03.24)	Workshop on IOT	Department of ECE, Knowledge Institute Of Technology, Salem	-
4	Praveena S	One day (06.03.24)	Workshop on IOT	Department of ECE, Knowledge Institute Of Technology, Salem	-
5	Dhanush Kumar R	Two day (15.03.24 & 16. 03.24)	Workshop on Industrial Aspects Of VLSI Technology	Department of ECE, Karpagam College Of Engineering, Coimbatore.	-
6	Nivya K	One day (22.03.24)	Workshop on Exploring Machine Learning Tools And Techniques With R&Python	Department of CSE, Kongunadu College Of Engineering & Technology, Thottiyam	-
7	Sathiya Priya P	One day (22.03.24)	Workshop on Exploring Machine Learning Tools And Techniques With R&Python	Department of CSE, Kongunadu College Of Engineering & Technology, Thottiyam	-
8	Karthikeyan S	One day (22.03.24)	Workshop on Realtime IOT Projects With Raspberry Pi4	Department of CA, Kongu College Of Engineering , Perundhurai.	-
9	Kesavan E	One day (22.03.24)	Workshop on Realtime IOT Projects With Raspberry Pi4	Department of CA, Kongu College Of Engineering , Perundhurai.	-
10	Dayana Mary.V	Two Days (25.03.24- 26.03.24)	Workshop on Embedded with IOT	Department of ECE, Nandha Engineering College, Erode	-
11	Dharshini.N.J	Two Days (26.03.24- 27.03.24)	Workshop on Cyber Security	Department of ECE, Bannari Amman Institute Of Technology	-

12	Jilsha.R	Two Days (26.03.24- 27.03.24)	Workshop on Cyber Security	Department of ECE, Bannari Amman Institute Of Technology	-
13	Athithya.S	Two Days (26.03.24- 27.03.24)	Workshop on Cyber Security	Department of ECE, Bannari Amman Institute Of Technology	-
14	Nitheesh Kumar.P	Two Days (26.03.24- 27.03.24)	Workshop on Cyber Security	Department of ECE, Bannari Amman Institute Of Technology	-
15	Nithya Devi S	One day (04.04.24)	Workshop on Recent Developments In AI	Department of ECE, Vidyaa Vikas College Of Engineering And Technology, Thiruchengode	-
16	Geetha K	One day (04.04.24)	Workshop on Recent Developments In AI	Department of ECE, Vidyaa Vikas College Of Engineering And Technology, Thiruchengode	-
17	Hemavarshini B	One day (04.04.24)	Workshop on Recent Developments In AI	Department of ECE, Vidyaa Vikas College Of Engineering And Technology, Thiruchengode	-
18	R.Dharshini	05.04.2024	Embedded Systems and IOT	Department of ECE, Dhirajlal Gandhi College of Technology, Salem	-
19	Kannan.K.R	05.04.2024	Embedded Systems and IOT	Department of ECE, Dhirajlal Gandhi College of Technology, Salem	-
20	Kirubakaran.A.D	One day (27.04.24)	Workshop on Embedded systems and IOT	Department of ECE, Selvam College of Technology, Namakkal	-
21	Sagaya Joan Prasath.G	One day (27.04.24)	Workshop on Embedded systems and IOT	Department of ECE, Selvam College of Technology, Namakkal	-
22	R.S.Shalini	One day (27.04.24)	Workshop on Embedded systems and IOT	Department of ECE, Selvam College of Technology, Namakkal	-

INTERNSHIPS

Sl. No.	Student Name	Duration (Days)	Title of the Internship	Company Name	Address with Contact Number
1	Mohana Priya M II year ECE	Eight days (24.02.24 to 02.03.24)	Embedded IOT Applications Using Node MCU Internship	Marcello Tech, Trichy.	NO 3, GEM PLAZA,GROUND FLOOR,SANKARANPILLAI ROAD,Trichy-620002.
2	Sagaya Joan Prasath G II year ECE	Six days (26.02.24 to 02.03.24)	Remote Health Monitoring	Emglitz Technologies, Erode.	Emglitz Technologies, Erode.
3	Hemavarshini B II year ECE	Five days (26.02.24 to 01.03.24)	Embedded System	Odugaatech pvt.ltd Innovation The sign Of Success	Odugaatech pvt.ltd Innovation The sign Of Success
4	Dinesh Kumar S , II year ECE	Five days (26.02.24 to 01.03.24)	Embedded System	Odugaatech pvt.ltd Innovation The sign Of Success	Odugaatech pvt.ltd Innovation The sign Of Success
5	Kamalini K, II year ECE	Five days (26.02.24 to 01.03.24)	Embedded System	Odugaatech pvt.ltd Innovation The sign Of Success	Odugaatech pvt.ltd Innovation The sign Of Success
6	Logapriya M II year ECE	Five days (26.02.24 to 01.03.24)	Embedded System	Odugaatech pvt.ltd Innovation The sign Of Success	Odugaatech pvt.ltd Innovation The sign Of Success
7	Lavanya J II year ECE	Five days (26.02.24 to 01.03.24)	Embedded System	Odugaatech pvt.ltd Innovation The sign Of Success	Odugaatech pvt.ltd Innovation The sign Of Success
8	Samyuktha II year ECE	Five days (26.02.24 to 01.03.24)	Embedded System	Odugaatech pvt.ltd Innovation The sign Of Success	Odugaatech pvt.ltd Innovation The sign Of Success
9	Mounika P II year ECE	Five days (26.02.24 to 01.03.24)	Embedded System	Odugaatech pvt.ltd Innovation The sign Of Success	Odugaatech pvt.ltd Innovation The sign Of Success
10	Nithya Devi S II year ECE	Five days (26.02.24 to 01.03.24)	Embedded System	Odugaatech pvt.ltd Innovation The sign Of Success	Odugaatech pvt.ltd Innovation The sign Of Success
11	Geetha K II year ECE	Five days (26.02.24 to 01.03.24)	Embedded System	Odugaatech pvt.ltd Innovation The sign Of Success	Odugaatech pvt.ltd Innovation The sign Of Success
12	Dharshini NJ II year ECE	Seven days (28.02.24 to 05.03.24)	Centralized Electrical Maintnace	Steel Authority Of India Limited ,Salem	Steel Authority Of India Limited ,Salem
13	Jilsha R II year ECE	Seven days (28.02.24 to 05.03.24)	Centralized Electrical Maintnace	Steel Authority Of India Limited ,Salem	Steel Authority Of India Limited ,Salem

14	Athithya S II year ECE	Seven days (28.02.24 to05.03.24)	Centralized Electrical Maintnace	Steel Authority Of India Limited ,Salem	Steel Authority Of India Limited ,Salem
15	Gokulapriya S II year ECE	Seven days (28.02.24 to05.03.24)	Centralized Electrical Maintnace	Steel Authority Of India Limited ,Salem	Steel Authority Of India Limited ,Salem
16	Ambika M II year ECE	Seven days (28.02.24 to05.03.24)	Centralized Electrical Maintnace	Steel Authority Of India Limited ,Salem	Steel Authority Of India Limited ,Salem
17	Mahaboob Begam.K II year ECE	(26.02.24- 01.03.24)	Embedded System	Odugaatech pvt.ltd Innovation The sign Of Success	Odugaatech pvt.ltd Innovation The sign Of Success
18	Adhavan.R II year ECE	(28.02.24- 04.03.24)	PCB Layout Design	UNITED SOFT TECH,Salem	UNITED SOTT TECH,Salem
19	N.Boovaraagavar II year ECE	(01.03.24- 05.03.24)	Embedded Systems	LIVE WIRE,Chennai	LIVE WIRE,Chennai
20	R.Dhileep kumar II year ECE	(28.02.24- 04.03.24)	PCB Layout Design	UNITED SOFT TECH,Salem	UNITED SOFT TECH,Salem
21	K.R.Kannan II year ECE	(28.02.24- 04.03.24)	PCB Layout Design	UNITED SOFT TECH,Salem	UNITED SOFT TECH,Salem
22	B.Kathirvel II year ECE	(01.03.24- 05.03.24)	Embedded Systems	LIVE WIRE,Chennai	LIVE WIRE,Chennai
23	A.D.Kirubakaran II year ECE	(28.02.24- 04.03.24)	PCB LAYOUT DESIGN	UNITED SOFT TECH,Salem	UNITED SOFT TECH,Salem
24	R.Manojkumar II year ECE	(01.03.24- 05.03.24)	Embedded Systems	LIVE WIRE,Chennai	LIVE WIRE,Chennai
25	P.Nitheesh kumar II year ECE	(01.03.24- 05.03.24)	Embedded Systems	LIVE WIRE,Chennai	LIVE WIRE,Chennai
26	S.Pradeep kumar II year ECE	(28.02.24- 04.03.24)	PCB Layout Design	UNITED SOFT TECH,Salem	UNITED SOFT TECH,Salem
27	A.Periyasamy II year ECE	(28.02.24- 04.03.24)	PCB Layout Design	UNITED SOFT TECH,Salem	UNITED SOFT TECH,Salem
28	R.Dharshini II year ECE	Five days (26.02.24 - 01.03.24)	Embedded System Internship	Odugaatech pvt.ltd Innovation The sign Of Success	Odugaatech pvt.ltd Innovation The sign Of Success
29	P.Monika II year ECE	Five days (26.02.24 - 01.03.24)	Embedded System Internship	Odugaatech pvt.ltd Innovation The sign Of Success	Odugaatech pvt.ltd Innovation The sign Of Success
30	S.Nagadharshini II year ECE	Five days (20.05.24 - 25.05.24)	Basic Electricals	SRIWIN ELECTRIC,Salem	SRIWIN ELECTRIC,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	Lathika Sree.S	III Year ECE	Magic Marketing	Two days (23.02.2024-24.02.24)	Department of Mechatronics, Sona College Of Technology, Salem	II

VALUE ADDED COURSES

Sl. No.	Student Name	Class	Course Name	Duration
1	E.Dhivan Sankar	III year ECE	Printed Circuit Board(PCB)	17.10.2022 to 22.10.2022
2	S.Safik	III year ECE	Printed Circuit Board(PCB)	17.10.2022 to 22.10.2022
3	J.Sriram	III year ECE	Printed Circuit Board(PCB)	17.10.2022 to 22.10.2022
4	K.Thirunavukarasu	III year ECE	Printed Circuit Board(PCB)	17.10.2022 to 22.10.2022

WORTH MENTIONING ACTIVITIES

Sl. No.	Student name	Date	Activity	Awarding Institution / Organization / Journal
1	Lathika Sree.S	Two days (23.02.2024-24.02.24)	Magic Marketing	Department of Mechatronics, Sona College Of Technology, Salem

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2. Shalini R S
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