



K.L.N. COLLEGE OF ENGINEERING POTTAPALAYAM -630612

(An Autonomous Institution, Approved by AICTE, New Delhi
& Affiliated to University, Chennai)

YEAR 2023

PETAL – 1 JANUARY TO JUNE



VISION

To become a Centre of Excellence in Technical Education and Research in producing Competent and Ethical professionals to the society

MISSION

To impart Value and Need based curriculum to the students with enriched skill development in the field of Engineering, Technology, Management and Entrepreneurship and to nurture their character with social concern and to pursue their career in the areas of Research and Industry

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DEPARTMENT OF MECHANICAL ENGINEERING

Publications in International/National Journal

1. **S. Ponsuriyaprakash, P. Udhayakumar, A. Hemalatha, S. Sabarish**, “Additive Manufacturing of Customized Automotive Components using Novel Cellulose Fiber Reinforced ABS Polymer Filament”, International Journal on Interactive Design and Manufacturing (Indexed in Scopus, Impact Factor – if available), Advance Online Publication, 2023.
2. **M. Satheeshkumar, M. R. Thansekhar, R. Pandiyarajan**, “Examining the Impact of Inlet Header Configurations on Wavy Microchannel Heat Sinks”, Heat and Mass Transfer (Indexed in SCI / Scopus, Impact Factor – if available), Advance Online Publication, 2023.
3. **R. Ashokkumar, R. Pandiyarajan, G. R. Raghav, K. J. Nagarajan, Sathish Rengarajan, D. Satheesh Pandian, K. Sudhakar**, “Role of Traversing Speed and Axial Load on the Properties of Friction Stir Welded Dissimilar AA6101-T6 and AA1350”, Journal of the Chinese Institute of Engineers (SCI / Scopus Indexed, Impact Factor – if available), Vol. 46, No. 1, 2023.
4. **Baskar Amaladoss, M. Arunachalam Sai Balaji, Jitendra Kumar Katiyar, Bharti Nagpal, J. Rajesh Babu**, “New Population-Based Simple Algorithms for Solving Global Optimization Problems”, International Journal of Mathematics in Operational Research (Scopus Indexed, Impact Factor – if available), 2023.

Publications in International/National Conference

1. **Dr. M.R. Thansekhar, Dr. N. Nagasubramanian, T. Samynathan, Santhosh K, Vishnu Ram J, R Bharath, Yusha V R**, “Numerical Investigation of Mixed Convection in a Partially Heated Square Enclosure Using Al_2O_3 /Water Nanofluid”, 3rd International Conference on Intellectual Research in Science, Engineering and Management (ICIRSEM 2023), Organized by St. Joseph’s College of Engineering and Technology, Thanjavur, 2023.
2. **Dr. M.R. Thansekhar, Dr. N. Nagasubramanian, Sharulatha K, Venkatesh T R, Yogeshwaran M**, “Square Enclosure – Combined Effect of Baffle and Nanofluid”, 3rd International Conference on Intellectual Research in Science, Engineering and Management (ICIRSEM 2023), Organized by St. Joseph’s College of Engineering and Technology, Thanjavur, 2023.
3. **Dr. M.R. Thansekhar, Dr. N. Nagasubramanian, Yogeshwaran S S, Umar Ali A, Jeyakrishnan K**, “Conjugate Mixed Convection in an Open Square Enclosure – Effect of Baffle and Al_2O_3 /Water Nanofluids”, 3rd International Conference on Intellectual Research in Science, Engineering and Management (ICIRSEM 2023), Organized by St. Joseph’s College of Engineering and Technology, Thanjavur, 2023.
4. **Dr. M.R. Thansekhar, Dr. N. Nagasubramanian, Karthick Ayyappan B, Senthil T B, Nagakarthykeyan N**, “Heat Transfer in an Open Square Enclosure – Effect of Partially Heating”, 3rd International Conference on Intellectual Research in Science, Engineering and Management (ICIRSEM 2023), Organized by St. Joseph’s College of Engineering and Technology, Thanjavur, 2023.
5. **Dr. P. Sabarinath, Kishorenath K S, Nanthakumar B, Bharath G H**, “Structural Analysis of Gas Turbine Blade”, Emerging Trends in Engineering Science & Technology (ETEST-23), Organized by Hindusthan Institute of Technology, Coimbatore, 2023.
6. **Dr. P. Sabarinath, Prakash K, Pravin Kumar S, J Abdul Kadhar, Jain Alavudheeen A**, “Design and Analysis of Alloy Wheel with Different Materials”, Emerging Trends in Engineering Science & Technology (ETEST-23), Organized by Hindusthan Institute of Technology, Coimbatore, 2023.
7. **Dr. A. Hemalatha, Ajith Kumar G, Bharath Kumar S, Dinesh Kumar S**, “Bluetooth Controlled Robotic Arm”, Emerging Trends in Engineering Science & Technology (ETEST-23), Organized by Hindusthan Institute of Technology, Coimbatore, 2023.
8. **Dr. C. Anbumeenakshi, Ari Kesavan M, Premgopi K, Aravindh A**, “Effect of Header Shape on Flow Distribution Study in Microchannels”, Emerging Trends in Engineering Science & Technology (ETEST-23), Organized by Hindusthan Institute of Technology, Coimbatore, 2023.
9. **Dr. C. Anbumeenakshi, Karthick Babu V G, Kishore Mayan M, Vijay Shiva Sankar A**, “Automatic Braking System”, Emerging Trends in Engineering Science & Technology (ETEST-23), Organized by Hindusthan Institute of Technology, Coimbatore, 2023.
10. **Mr. S. Nallathambi, Dinesh P, Jaivignesh G, Kalimuthu K B**, “Auto Head Lamp Alignment and DIM/Bright Control for Automobile”, Emerging Trends in Engineering Science & Technology (ETEST-23), Organized by Hindusthan Institute of Technology, Coimbatore, 2023.
11. **Dr. D. Muthukrishnan**, “Optimization of Multi-Response Process Parameters in Friction Stir Processing of AA6063/N-Graphene Composites by Taguchi’s Grey Relational Analysis”, International Conference on

- Recent Innovations in Computer, Communication and Manufacturing, Organized by AAA College of Engineering and Technology, Virudhunagar, 2023.
12. **Dr. P. Udhayakumar, Yogesh Pandi S, Arun J P, Sanjai T**, “Additive Manufacturing Transforms Foot Care – An Experimental Study of Custom Insoles”, 4th International Conference on Recent Innovations in Engineering and Technology (ICRIET 2023), Organized by Society for Aerospace and Mechanical Professionals, Chennai, 2023.
 13. **Dr. P. Udhayakumar, Rishivanth P, Vignesh P, Nagoordeen K**, “Additive Manufacturing Revolutionizes Custom Hearing Aid Buds – An Experimental Study”, 4th International Conference on Recent Innovations in Engineering and Technology (ICRIET 2023), Organized by Society for Aerospace and Mechanical Professionals, Chennai, 2023.
 14. **Mr. T. L. Vijaykumar, Kodeeswaran M, Laxmi Narayanan S, Tirukodi Sammars A**, “Characterisation of Ecofriendly Poly (Vinyl Alcohol) and Samaneasam”, 4th International Conference on Recent Innovations in Engineering and Technology (ICRIET 2023), Organized by Society for Aerospace and Mechanical Professionals, Chennai, 2023.
 15. **Mr. T. L. Vijaykumar, Arockia Nelson F, Sadhaashivam T**, “Influence of Ficus Religiosa Bark Filler on Mechanical Properties of Polyester Composites”, 4th International Conference on Recent Innovations in Engineering and Technology (ICRIET 2023), Organized by Society for Aerospace and Mechanical Professionals, Chennai, 2023.
 16. **Mrs. B. Devi, Dhamodharan G I, Nava Prasaath S, Susil Sundar K**, “Evaluation of Mechanical Properties of Pithecellobium Dulce Shell Filler Based Epoxy Composite”, 4th International Conference on Recent Innovations in Engineering and Technology (ICRIET 2023), Organized by Society for Aerospace and Mechanical Professionals, Chennai, 2023.
 17. **Mrs. B. Devi, Bhuvaneshwaran B, Mano C, Devanandh B**, “Analysis of Mechanical Properties of Azadirachta Indica Bark Filled Coir Fibre Reinforced Polyester Composites”, 4th International Conference on Recent Innovations in Engineering and Technology (ICRIET 2023), Organized by Society for Aerospace and Mechanical Professionals, Chennai, 2023.

Patents Filed / Published / Granted

S. No	Name of the Inventor(s)	Title of the Patent	Patent Number	Status (Filed / Published)	Year
1	Dr. J. Rajesh Babu	Solar Electric Vehicle	383166-001	Intellectual Property India (IPR), Office of the Controller General of Patents, Designs & Trade Marks, CP-2, sector, V.Salt Lake city, Kolkata-700091	2023
2	Dr. P. Udhaya Kumar	Four Wheeled Two-Seaters in campus Electric Vehicle	381066-001	Intellectual Property India (IPR), Office of the Controller General of Patents, Designs & Trade Marks, CP-2, sector, V.Salt Lake city, Kolkata-700091	2023

Short term courses/seminar/symposium attended by the Faculty Members:

Name and Designation of the Faculty Member	Seminar/Workshop/Course Attended	Date/Place
Dr.P.Udhayakumar	Ideation , recent advances in materials science and its applications, Rajalakshmi Institute of Technology	27.04.2023-04.05.2023

Dr.P.Udhayakumar	Non- stop Marathon, IGEN Generation 2023, indexed by Earth Day	27.05.2023
Dr.M.R.Thansekhar	Product Design and Manufacturing at IIT Madras	Jan-Apr 2023
Dr.M.R.Thansekhar	AI & Machine learning with Python, EDUXlabs, Mechanica IIT- Madras	24.05.2023-09.06.2023
Dr.M.R.Thansekhar	Awareness program on entrepreneurship development cell,SRM Madurai College for Engineering and Technology, Sivagangai	Jan-Apr2023
Dr.P.Sabarinath	Computer Integrated Manufacturing at IIT Madras	27.04.2023
Dr.P.Sabarinath	The Rising Startup ecosystem in Tier 2 and Tier 3 cities and its opportunities, SRM Madurai College for Engineering and Technology, Sivagangai	20.04.2023
Dr.A. Hemalatha	Leadership and Team effectiveness at IIT Madras	Jan-Apr 2023
Dr.A. Hemalatha	Recent advancement in heat exchanger technologies: Experimentation & simulations, School of Engineering, OPJindal University, Raigarh	13.03.2023-17.03.2023
Dr.C. Anbumeenakshi	National Intellectual property awareness mission, Intellectual Property office and MoE's Innovation Cell, India	Jan-Mar 2023
Dr.C. Anbumeenakshi	Research Innovations in materials and Manufacturing (RIMM 23), Velammal Engineering College, Chennai-66	13.03.2023-17.03.2023
Dr.J.RajeshBabu	Introduction to Industry 4.0 and Industrial Internet of Things	09.02.2023
Dr.D.Muthukrishnan	Awareness program on entrepreneurship development cell,SRM Madurai College for Engineering and Technology, Sivagangai	27.04.2023
Mr.E.V. Ganeshbabu	Fundamentals of Automotive systems at IIT Madras	Jan-Apr 2023
Mr.S. Nallathambi	Computer Integrated Manufacturing at IIT Madras	Jan-Apr 2023
Dr.N. Nagasubramanian	Product Design and Manufacturing at IIT Madras	Jan-Apr 2023
Dr.N. Nagasubramanian	AI & Machine learning with Python, EDUXlabs, Mechanica IIT Madras	24.05.2023-09.06.2023
Mr.M.Mohanraj	Awareness program on entrepreneurship development cell, SRM Madurai College for Engineering and Technology, Sivagangai	27.04.2023
Mr.M.Mohanraj	Awareness program on ISTE, SRM Madurai Institute of Engineering and Technology, Sivagangai	13.04.2023

Mr.T. Samynathan	Know about E-vehicle, SRM Madurai College for Engineering and Technology, Sivagangai	18.05.2023
Mr.T. Samynathan	ISHRAE student chapter- An awareness to faculty members, SRM Madurai College for Engineering and Technology, Sivagangai	06.06.2023
Mr.T. Samynathan	Awareness program on ISTE, SRM Madurai Institute of Engineering and Technology, Sivagangai	18.05.2023
Mr.T.L.Vijayakumar	The Rising Startup ecosystem in Tier 2 and Tier 3 cities and its opportunities, SRM Madurai College for Engineering and Technology, Sivagangai	20.04.2023
Mr.T.L.Vijayakumar	Faculty awareness program on Swayam-NPTEL Online Certification courses, SRM Madurai College for Engineering and Technology, Sivagangai	16.04.2023
Mr.T.L.Vijayakumar	Innovative and emerging thrust areas of civil & mechanical engineering, Sri Krishna college of Technology, Coimbatore	11.02.2023- 17.02.2023

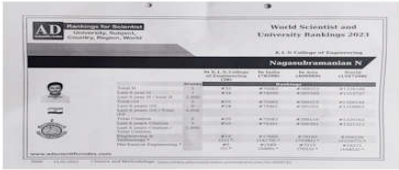
Shor term courses /seminar/symposium organized by the Department:

Date	Title	Details of Resource Person	No.of Participants
09.05.23 to 10.05.23	TWO DAYS ALL INDIA SEMINAR on SMALL SATELLITES FOR RURAL APPLICATION 	Dr. P.V. Venkitakrishnan, Chairman, ASDB, IEI; Distinguished Scientist and Former Director, ISRO HQ, Bangalore- Mr. INGERSOL SELLADURAI, Scientist H, Former Group Director, Systems Reliability – Spacecraft Propulsion Systems & Sensors, LPSC, ISRO, Bangalore- Dr.K. Gopalakrishnan, Project Director, 75 Students Satellites Consortium: Mission 2022, Bangalore- Prof. R.R. Elangovan, Former Scientist, ISRO, VSSC, Trivandrum Professor, KCG College of Technology, Chennai- M.K. Sundaresan, Scientist / Engineer	85

		‘G’, Head, PSFD, SDEG, STR, VSSC, Trivandrum- Er. M.S. Jeyachandran, Deputy Director, IISU, VSSC, Trivandrum- Er.J.SarathkumarSebas tin, Head/Aerospace Engineering, Kalasalingam University, Krishnankovil.-	
17.04.23	Guest Lecture on “Father of Indian Constitution” 	Lr.R.Vairamuthu, Advocate, Chennai High Court, Madurai Bench	60
20.04.23 to 21.04.23	Soft Skills Training	Mr.Bisvajeet, Mercuzerd Training and Services	33
18.04.23 to 19.04.23	Soft Skills Training	Mr.Bisvajeet, Mercuzerd Training and Services	32
10.04.23 to 13.04.23		Er.K.Vivekananth, Riyaasaa Lab, Centre for Innovation	87
28.03.23 to 01.04.22	Five Days Placement Training Programme	Connect Solutions	41

Staff Achievements/Recognition/Honours

Name and Designation of the Staff Member	Achievements of Staff/Recognition/ Honors	Date/Place
Dr.P.Udhayakumar	First International Conference And Awards on Arts, Management, Medical Technology, Engineering And Science, Inspire softech solutions	02.04.2023
Dr.M.R.Thansekhar Dr.N.Nagasubramanian	Received BEST PAPER AWARD in the 3rd International Conference On Intellectual Research In Science, Engineering And Management (ICIRSEM2023) at St.Joseph's College of Engineering and Technology, Chennai	21.04.2023

Dr.N.Nagasubramanian	World Scientist and University Rankings 2023. In K.L.N. College Of Engineering (35), In India (75083), In Asia (388513), World (1326146)	2023
		

Guest Lectures / Expert Talks Organized

S. No	Name of the Speaker	Topic	Organization	Institution	Date
	Dr. P. Udhaya Kumar	Precision Machining- CAD/CAM Plastic Industries	CAD/CAM Plastic Industries	Mr.VPT.Raja, Managing Director,,TPM Tec Max,22,Muthupandi Nagar, Sirungeri Madam Backside, Bypass, Ponmeni, Madurai, Tamil Nadu 625016	15.03.2023
	Dr. P. Udhaya Kumar	Learning Made Easy	THORS eLearning Solutions	Mr.S.S.Balasubramanian, Managing Director,,THORS eLearning Solutions (India)	

Extension Activities / Social Outreach

S. No	Activity	Department	Beneficiaries	Date
1	Road Safety Programme Mattuthavani Bus Stand, Madurai	Mechanical	Public	28.03.2023
				

NPTEL Online Certification Courses (Faculty Members)

S.No	Name of the Staff & Designation	Course Title	Course duration	Course conducted by	Award (Elite/Silver/Pass)
1.	Anbumeenakshi C	Introduction to Abrasive Machining and Finishing Processes	6 Months	NPTEL	Elite+Silver

2.	Satheesh Pandian D	Oil Hydraulics and Pneumatics	6 Months	NPTEL	No Certificate
3.	Hemalatha A	Leadership and Team Effectiveness	6 Months	NPTEL	Elite
4.	Nagasubramanian N	Product Design and Manufacturing	6 Months	NPTEL	Elite
5.	Nallathambi S	Computer Integrated Manufacturing	6 Months	NPTEL	Elite+Silver
6.	E V Ganesh Babu	Fundamentals of Automotive Systems	6 Months	NPTEL	Elite+Silver
7.	Dr P Sabarinath	Computer Integrated Manufacturing	6 Months	NPTEL	Elite+gold
8.	Dr Thansekhar M R	Product Design and Manufacturing	6 Months	NPTEL	Elite

NPTEL Online Certification Courses (Students)

S.No.	Name of the Student	Year	NPTEL Course Name	Duration	Award (Elite/Silver/Pass)
1	KISHORE KANNAN K	IV	Product Design and Manufacturing	6 Months	Sucessfully completed
2	DINESH PANDI P	IV	Product Design and Manufacturing	6 Months	No Certificate
3	M ABHINAV KRISHNA	IV	Product Design and Manufacturing	6 Months	Elite
4	AKILASEKAR K	IV	Product Design and Manufacturing	6 Months	Sucessfully completed
5	ARUNPANDI V	IV	Product Design and Manufacturing	6 Months	Sucessfully completed
6	BP PRASANNA	IV	Fundamentals of Automotive Systems	6 Months	Sucessfully completed
7	MSBALAJ	IV	Product Design and Manufacturing	6 Months	Sucessfully completed
8	DHARSIN KUMAR B	IV	Product Design and Manufacturing	6 Months	Elite
9	S GOKUL PRASATH	IV	Product Design and Manufacturing	6 Months	Sucessfully completed
10	S HARISH	IV	Product Design and Manufacturing	6 Months	Sucessfully completed
11	J DIVYESH	IV	Product Design and Manufacturing	6 Months	Sucessfully completed
12	U KARIKALAN	IV	Product Design and Manufacturing	6 Months	Sucessfully completed
13	JEBIN BENNY RICHARD A	IV	Fundamentals of Automotive Systems	6 Months	Elite

14	SANJAY R	IV	Product Design and Manufacturing	6 Months	Successfully completed
15	RAMNATH	IV	Product Design and Manufacturing	6 Months	Successfully completed
16	K MAHESHSIVA	IV	Product Design and Manufacturing	6 Months	Successfully completed
17	NAGOOR SHERIFF S	IV	Product Design and Manufacturing	6 Months	Successfully completed
18	PRASANTH S	IV	Fundamentals of Automotive Systems	6 Months	No certificate
19	NAVEENRAJAA M	IV	Product Design and Manufacturing	6 Months	Successfully completed
20	NITHESH KUMAR	IV	Product Design and Manufacturing	6 Months	Elite
21	M OM PRAKASH	IV	Product Design and Manufacturing	6 Months	Successfully completed
22	RAGHUL T	IV	Fundamentals of Automotive Systems	6 Months	No certificate
23	SAMEER DAWOOD M	IV	Product Design and Manufacturing	6 Months	Successfully completed
24	N SANTHOSH	IV	Product Design and Manufacturing	6 Months	Successfully completed
25	P SATHYANARAYANAN	IV	Product Design and Manufacturing	6 Months	Successfully completed
26	SURESH GOPI K	IV	Product Design and Manufacturing	6 Months	Elite
27	K G SOWMITHA	IV	Product Design and Manufacturing	6 Months	Successfully completed
28	SRI MUTHU SANKAR V	IV	Product Design and Manufacturing	6 Months	Successfully completed
29	SUDHARSAN G	IV	Product Design and Manufacturing	6 Months	No certificate
30	VIJAYKUMAR N R	IV	Fundamentals of Automotive Systems	6 Months	No certificate
31	THEJOSHWAR R	IV	Product Design and Manufacturing	6 Months	Successfully completed
32	VENKATESH A J	IV	Product Design and Manufacturing	6 Months	Successfully completed
33	S VIJAY RAJ	IV	Product Design and Manufacturing	6 Months	Successfully completed
34	ARUNKUMAR M	IV	Product Design and Manufacturing	6 Months	Elite
35	K A SIVA SANKAR	IV	Product Design and Manufacturing	6 Months	No certificate

36	NIVETHITHA MARY A	IV	Fundamentals of Automotive Systems	6 Months	No certificate
37	SANJAY P S	IV	Product Design and Manufacturing	6 Months	Successfully completed
38	PRATHIKSHA	IV	Fundamentals of Automotive Systems	6 Months	Elite
39	S SIVASURYA	IV	Product Design and Manufacturing	6 Months	No certificate

Student Achievements (Competitions / Hackathons / Sports / Cultural)

S. No	Name of the student	Title of the event	Competition	Achievement / Prize	Organized by	Year
1	M.S.BalajiA.Joel Jerry B.SenthilKumar M.MugabalanD.ManikandanS.KeerthiVasan III year Mechanical	CLAFIEST A 2K23 12.05.2023	Group Dance-1	Participated	K.L.N.College of Engineering	2023
2	N.SanthoshS.SarantheepSachena A.ManojkumarPrasanna III/Mechanical	CLAFIEST A 2K23 12.05.2023	Group Dance-2	Participated	K.L.N.College of Engineering pottapalayam.	2023
3	1.N.Santhosh 2.S.Sarantheep Sachena 3.A.Manoj kumar 4, R.Prasanna 5. J.Divyesh	TEXPO-2K23. 20.03.2023	Twirling Toes	-Prize II	Sethu Institute of Technology, Madurai	2023
4	N.SanthoshS.SarantheepSachen	TEXPO-. 20.03.2023	Thunder Beats	II Prize	Sethu Institute of Technology, Madurai	
5	DivyeshKeerthivasanS.SarantheepSachena	TEXPO-2K23 20.03.2023	Thunder Beats	I Prize	Sethu Institute of Technology, Madurai	
6	N.SanthoshS.SarantheepSachena	TEXPO-. 20.03.2023	BURLESQUE	I Prize	Sethu Institute of Technology, Madurai	
7	ManojkumarPrasanna III/Mechanical	TEXPO-2K23 20.03.2023	BURLESQUE	II Prize	Sethu Institute of Technology, Madurai.	
8	O.Pratheik Kumar - IV Yr/ Mech K.Nagoor Deen - IV Yr/Mech	Cricket (Men) 02.02.2023 to 06.02.2023	Anna University Chennai Zone	XVI Zonal Level	K.L.N.College of Engineering pottapalayam.	

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Publications in International/National Journal

1. **Dr. S. Parthasarathy, R. Thangasankaran**, “Proteus/Simulink Analysis of Rectifier Based E-Vehicle Charger Circuit”, *E3S Web of Conferences* (Indexed in Scopus), Volume 387, Issue 01011, 2023.
2. **Dr. S. Parthasarathy**, “Design and Development of Onboard Charger with Smart Monitoring System for Battery Electric Vehicles”, *International Journal of Scientific Development and Research (IJS DR)* (Indexed in UGC Care / Google Scholar), Volume 8, Issue 4, 2023.
3. **Dr. S. Parthasarathy**, “Design and Implementation of Optimized Controller for E-Vehicles”, *Journal of Engineering Research and Reports* (Indexed in Scopus / ESCI if available), Volume 24, Issue 12, 2023.

Publications in International/National Conference

1. **Dr. S. M. Kannan, V. R. Iyyappan, M. Vimal Raja**, “Design of Quadratic High Gain Boost Converter for Electric Vehicle Charging Applications”, *International Conference on Power and Energy Systems (ICPES'23)*, Organized by Velammal College of Engineering and Technology, Madurai, March 2023.
2. **Dr. S. Venkatesan, Surya M, Kirishsharvesh K B, Krishna Kumar E J**, “Automatic Solar Tracking System Using Helio Drive”, *International Conference on Power and Energy Systems (ICPES'23)*, Organized by Velammal College of Engineering and Technology, Madurai, March 2023.
3. **Dr. K. Gnanambal, T. K. Iswarya, R. Krithi**, “Smart Traffic Light Controller & Intelligent Ambulance Tracking System”, *International Conference on Power and Energy Systems (ICPES'23)*, Organized by Velammal College of Engineering and Technology, Madurai, March 2023.
4. **Dr. K. Gnanambal, M. Keerthana, V. Prasanna Devi, M. Bharathi Nivetha**, “Design and Implementation of an Intelligent Wheelchair Controlled by Multifunctional Parameter”, *International Conference on Power and Energy Systems (ICPES'23)*, Organized by Velammal College of Engineering and Technology, Madurai, March 2023.
5. **Dr. S. Venkatanarayanan**, “Energy Audit and Analysis of Energy Utilization in Engineering Institution Building”, *International Conference on Recent Innovations in Computer, Communication and Manufacturing (ICRICCM-23)*, Organized by AAA College of Engineering and Technology, Sivakasi, April 2023.
6. **Dr. S. Venkatanarayanan**, “Performance Enhancement of PV System Using Distributed Network”, *International Conference on Recent Innovations in Computer, Communication and Manufacturing (ICRICCM-23)*, Organized by AAA College of Engineering and Technology, Sivakasi, April 2023.
7. **Dr. S. Venkatanarayanan**, “Analysis, Design and Simulation of Bidirectional DC-DC Converter”, *International Conference on Recent Innovations in Computer, Communication and Manufacturing (ICRICCM-23)*, Organized by AAA College of Engineering and Technology, Sivakasi, April 2023.
8. **Dr. S. Venkatanarayanan, M. Balamurugan, S. Rubanraj, M. Sabarivasan, S. Sainagarjun**, “RF Based Transformer Fault Finder”, *International Conference on Power and Energy Systems (ICPES'23)*, Organized by Velammal College of Engineering and Technology, Madurai, March 2023.
9. **Dr. S. Venkatanarayanan**, “A Bidirectional DC-DC Converter Fed Separately Excited DC Motor Electric Vehicle Application”, *International Conference on Renewable Energy for Electric Vehicle Charging System*, Organized by Sri Vidya College of Engineering & Technology, Virudhunagar, March 2023.
10. **Dr. S. Venkatanarayanan**, “Optimizing Operation Indices Considering Different Types of Distributed Generation and Microgrids for Small Island Electrification”, *International Conference on Emerging Trends in Electrical, Electronic & Communication Technology (ICETEECT'23)*, Organized by Sri Raaja Raajan College of Engineering and Technology, Karaikudi, April 2023.
11. **Dr. S. Venkatanarayanan**, “An Internet of Things (IoT) Based Joint Energy Auditing, Energy Conservation and Energy Management System for Industries”, *International Conference on Emerging Trends in Electrical, Electronic & Communication Technology (ICETEECT'23)*, Organized by Sri Raaja Raajan College of Engineering and Technology, Karaikudi, April 2023.
12. **Prof. A. Marimuthu, D. Harish, K. Manikandan, T. Mukesh**, “Design for Multi-Source Energy Storage System”, *International Conference on Smart Engineering for Renewable Energy Technologies (ICSERET 2023)*, Organized by Ramco Institute of Technology, Rajapalayam, March 2023.
13. **Dr. P. Loganthurai, P. Varun Pandian, R. Naveen Balaji, V. G. V. Kirrendran**, “GPS Based Supporting System for Blind”, *International Conference on Power and Energy Systems (ICPES'23)*, Organized by Velammal College of Engineering and Technology, Madurai, March 2023.

14. **Dr. M. Jegadeesan, Akash Kumar, Hari Prasath, Prithivi Raj**, “IoT Based Single Axis Solar Tracking System”, *International Conference on Power and Energy Systems (ICPES'23)*, Organized by Velammal College of Engineering and Technology, Madurai, March 2023.
15. **Dr. M. Jegadeesan, S. Akash Kumar, M. R. Hari Prasath, S. G. Prithivi Raj**, “Single Axis Solar Tracking”, *International Conference on Power and Energy Systems (ICPES'23)*, Organized by Velammal College of Engineering and Technology, Madurai, March 2023.
16. **Dr. S. Manoharan, P. Kannan, C. Karthick Kumar, M. Selva Bharathi**, “Design and Implementation of Multilevel Inverter for Electrical Vehicles”, *International Conference on Smart Engineering for Renewable Energy Technologies (ICSERET 2023)*, Organized by Ramco Institute of Technology, Rajapalayam, March 2023.
17. **Dr. M. Ganesh Kumari, S. Jayashree, J. Keerthana, V. Preethi**, “Cloud Computing Based Lineman Security System While Working on Transmission Line”, *International Conference on Power and Energy Systems (ICPES'23)*, Organized by Velammal College of Engineering and Technology, Madurai, March 2023.
18. **Dr. M. Ganesh Kumari, G. Lalitha Alias Latchana, K. Sakthi Eswari, S. Sivasankari**, “Autonomous Rover for Cleaning Photovoltaic Panel”, *International Conference on Smart Engineering for Renewable Energy Technologies (ICSERET 2023)*, Organized by Ramco Institute of Technology, Rajapalayam, March 2023.
19. **Prof. M. Jeyamurugan, Prof. R. Jeyapandi Prathap, K. Balaji, R. Mugesh**, “Automatic Rubber Compound Injecting System for Mixing Mill”, *International Conference on Power and Energy Systems (ICPES'23)*, Organized by Velammal College of Engineering and Technology, Madurai, March 2023.
20. **Prof. R. Jeyapandi Prathap, Prof. M. Jeyamurugan, R. Yuva Prasath, K. Bharathi Dasan, R. Gurubarasirram**, “Automatic Maximum Demand Controller with Indication”, *International Conference on Power and Energy Systems (ICPES'23)*, Organized by Velammal College of Engineering and Technology, Madurai, March 2023.
21. **Prof. N. Vimal Radha, Vignesh R, R. Shyam Kishore, P. Prabakaran**, “Developing and Designing a Smart Library Management System”, *International Conference on Power and Energy Systems (ICPES'23)*, Organized by Velammal College of Engineering and Technology, Madurai, March 2023.

Short term courses/seminar/symposium attended by the Faculty Members:

Name and Designation of the Faculty Member	Seminar / Workshop / Course Attended	Date / Place
Dr. K. Gnanambal, Prof./EEE	Certificate earned by completing NPTEL Online Certification Course on Analog Circuits	Jan–Mar 2023 (8 Week Course), IIT Bombay
Dr. S. Parthasarathy, Prof./EEE	Participated in PLAST INDIA 2023 – International Plastic Exhibition Expo	02.02.2023 – 04.02.2023, Pragati Maidan, New Delhi
	Participated in Seminar on CII Madurai Zone – Confederation of Indian Industry	17.02.2023, Madurai
Dr. S. Venkatanarayanan, Prof./EEE	Delivered lecture in PEACE Awareness Program for MSME Industries	20.04.2023, Sri Raaja Raajan College of Engineering & Technology, Karaikudi
	Delivered lecture in Three Days PEACE Training Program for MSME Industries	15.03.2023 – 17.03.2023, District Industries Centre, Tiruppattur
	Delivered lecture in Three Days PEACE Training Program for MSME Industries	09.03.2023 – 11.03.2023, District Industries Centre, Collectorate Complex, Sivagangai
	Delivered lecture in PEACE Awareness Program for MSME Industries	04.03.2023, District Industries Centre, Collectorate Complex, Sivakasi
	Delivered lecture in Three Days PEACE Training Program for MSME Industries	23.02.2023 – 25.02.2023, District Industries Centre, Industrial Estate, Kallakurichi
	Delivered lecture in Three Days PEACE Training Program for MSME Industries	16.02.2023 – 18.02.2023, District Industries Centre, Ariyalur
	Delivered lecture in PEACE Awareness Program for MSME Industries	15.02.2023, District Industries Centre, Valajangaram, Ariyalur
	Delivered lecture in PEACE Awareness Program for MSME Industries	14.02.2023, District Industries Centre, Tiruppathur
	Delivered lecture in Three Days PEACE	27.01.2023 – 29.01.2023, District

	Training Program for MSME Industries	Industries Centre, Collectorate Complex, Thiruvannamalai
	Delivered lecture in Three Days PEACE Training Program for MSME Industries	11.01.2023 – 13.01.2023, District Industries Centre, Collectorate Complex, Cuddalore
A. Marimuthu, ASP/EEE	NPTEL AICTE Faculty Development Programme on Electric Vehicles – Part 1	Jan–Feb 2023 (4 Week Course), IIT Madras
Dr. P. Loganthurai, ASP/EEE	One Day Workshop on Best Practices for Optimal Power	03.06.2023, Thiagarajar College of Engineering, Madurai
Dr. M. Jegadeesan, ASP/EEE	NPTEL AICTE Faculty Development Programme on Electric Vehicles – Part 1	Jan–Feb 2023 (4 Week Course), IIT Madras
Dr. M. Ganesh Kumari, AP (Sr.Gr.)/EEE	NPTEL AICTE Faculty Development Programme on Introduction to Machine Learning (Tamil)	Jan–Mar 2023 (8 Week Course), IIT Madras
	Five Day Online FDP on Intelligence and Data Science in Image Analysis	13.02.2023 – 17.02.2023, CMR Institute of Technology, Bengaluru
	30 Days Masterclass	11.01.2023 – 10.02.2023, Pantech e-Learning Pvt. Ltd., Chennai
	ISTE Sponsored Two Day National Workshop on Applications of Deep Learning Techniques in Image Retrieval	11.01.2023 – 12.01.2023, Mangayarkarasi College of Engineering, Madurai
M. Jeyamurugan, AP (Sr.Gr.)/EEE	NPTEL AICTE Faculty Development Programme on Electric Vehicles – Part 1	Jan–Feb 2023 (4 Week Course), IIT Madras
	30 Days Masterclass	11.01.2023 – 10.02.2023, Pantech e-Learning Pvt. Ltd., Chennai
MM. Balamurugan, AP/EEE	NPTEL AICTE Faculty Development Programme on Electric Vehicles – Part 1	Jan–Feb 2023 (4 Week Course), IIT Madras
R. Jeyapandiprathap, AP/EEE	Webinar on Tier 2 and Tier 3 Cities and its Development	20.04.2023, SRM Madurai College for Engineering and Technology
	NPTEL AICTE Faculty Development Programme on Electric Vehicles – Part 1	Jan–Feb 2023 (4 Week Course), IIT Madras
	Three Day National Level Virtual Workshop on Role of Assessment and Accreditation towards Improving Quality of Education & NEP Implementation	08.02.2023 – 10.02.2023, Kamaraj College of Engineering and Technology
	IP Awareness / Training Program – National Intellectual Property Awareness Mission	16.01.2023, K.L.N. College of Engineering, Sivagangai
	ISTE Sponsored Two Day National Workshop on Applications of Deep Learning Techniques in Image Retrieval	11.01.2023 – 12.01.2023, Mangayarkarasi College of Engineering, Madurai
N. Vimal Radha Vignesh, AP/EEE	One Week FDP on Engineering Applications	24.02.2023 – 03.03.2023, Velammal College of Engineering and Technology, Madurai
	Five Day FDP on Electronics	13.02.2023 – 17.02.2023, JCT College of Engineering and Technology, Coimbatore

Short term courses /seminar/symposium organized by the Department:

Date	Title	Details of Resource Person	No. of Participants
12.04.2023	State Level Technical Symposium on ECHELON 2K23	Mr.P.Karuppanan,Project Associate, Startup TN Madurai Regional Hub, Dr.K.Srinivasan,Vice President, Greaves Cotton Ltd., Guest of Honour: Er.B.Vinoth	External:82 Students

		(1998-2002 Batch Alumnus), Manager-Business Development, Peninsula Electronics,Bengaluru. Er.S.P.Ushandren (2000-2004 Batch Alumnus), Regional Terminal Co- ordinator, IMC Limited,Chennai. Er.T.K.Rishikesh (2013-2017 Batch Alumnus), Associate Technical Lead, KLA Tencor Software,Chennai.	
28.02.2023	National Science Day Scientific Model Contest	Mr.S.V.S. Balamurugan, Manager, Mr.Suresh kumar, Asst.Manager, EID Parry (India) Limited, Sivagangai.	Total: 225 Nos. Students:220Nos Faculty:25 Nos.[Internal] (All First year students & Faculty members)
11.02.2023	“Conservation of Electrical Energy & Safety”	Resource Person: Er.G.Murugesan, Assistant Executive Engineer, TANGEDCO, Sivakasi.	[Internal: Non-Teaching Faculty: 11Nos. Students: 52 Nos. B.E –EEE- II Year / IV Semester “A”&“B” Sec
09.02.2023	Awareness Program on “Intellectual Property Rights under NIPAM”	Smt.K.Susi, Examiner of Patents and Design, NIPAM Officer, Intellectual PropertyOffice,Chennai, Government of India.	Total:356 [Internal: Non-Teaching Faculty: 30Nos. Students: Nos.326Nos. B.E –II Year &III Year [All Branches]
30.01.2023 to 03.02.2023	5 days Professional Development Course on “Lucrative Technology-C & C++ Programming” (Phase-II)	Mrs.G.Karthikayini, Sr.Software Trainer PROG-TEC Academy, Madurai.	Total:40 Students:39 B.E –EEE- II Year / IV Semester “B” Sec (39/40=97.5%)
30.01.2023 to 03.02.2023	5 days Value Added Course on “ Embedded Systems and Controller Applications ” (Phase-II)	Mr.V.Selvaganesh,Director- Electrical-R&D. Mr.T.Sundrapandy, Director-IT- R&D, Shubham Solutions, Madurai.	Total:40 Students:40 B.E –EEE- III Year / VI Semester “B” Sec (30 students) &IV Year (10 Students) / (40/40=100%)
23.01.2023 to 28.01.2023	5 days Value Added Course on “Embedded Systems and Controller Applications” (Phase-I)	Mr.V.Selvaganesh,Director- Electrical-R&D. Mr.T.Sundrapandy, Director-IT- R&D, Shubham Solutions, Madurai.	Total:31 Students:31 B.E –EEE- III Year / VI Semester “A” Sec (31/31=100%))
23.01.2023 to 28.01.2023	5 days Professional Development Course on “Lucrative Technology-C & C++ Programming” (Phase-I)	Mrs.G.Karthikayini, Sr. Software Trainer PROG-TEC Academy, Madurai	Total:34 Students:34 B.E –EEE- II Year / IV Semester “A” Sec (34/34=100%))

Guest Lectures / Expert Talks Organized

S. No	Name of the Speaker	Topic	Organization	Institution	Date
1	Er.A.Ramalingam, AE Training HRD Er.M.Sundarraj, AE Training HRD/	Expert Talk on “Energy Conservation, Smart Grid, Electrical Safety and Distribution Systems”	TANGEDCO, Madurai.	-	28.04.2023
2	Er.G.Murugesan,M.E., Assistant Executive Engineer, TANGEDCO, Sivakasi.	Expert Talk on “Electrical Machines in Power Systems”	TANGEDCO, Sivakasi.	-	11.02.2023
3	Dr.S.Venkatanarayanan, Prof./EEE,	“Energy Conservation and Audit”		K. L. N. College of Engineering,Sivagangai Dt., PCRA, Govt of India, Empanelled Faculty.	27.01.2023

NPTEL Online Certification Courses (Faculty Members)

Name of the Staff & Designation	Course Title	Course duration	Course conducted By	Award (Elite/Silver/Pass)
.M.Ganesh Kumari	Introduction to Machine Learning(Tamil)	12 Week	IIT Kharagpur	Successfully Completed
M.Jegadeesan	Electric vehicle Part-1	12 Week	IIT Kharagpur	Elite
M.Balamurugan	Electric Vehicle Part-1	8 week	IIT Kharagpur	Successfully Completed
M.Jeyamurugan	Electric Vehicle Part-1	8 week	IIT Kharagpur	Successfully Completed
R.Jeyapandi Prathap	Electric Vehicle Part-1	8 week	IIT Kharagpur	Elite+Silver
A.Marimuthu	Electric Vehicle Part-1	8 week	IIT Kharagpur	Elite+ Silver
K.Gnanambal	Analog Circuits	12 Week	IIT Kharagpur	Elite+Gold

Funding obtained from National bodies/AU/Industry

S.No.	PI & CO- PI	Title of the Research project	Fund Generated / Proposal Applied	Funding Agency	Amount Generated / Proposed	Date and Month of Funding Approved
1	DR. K. GNANAMBAL DR. S.M. KANNAN DR. S. PARTHASARATHY DR. S. MIRUNA JOE AMALI	"Efficient Energy Management of Local Power Grid with Electric Vehicle using artificial Intelligence"	-	Science and Engineering Research Board (SERB) .		19-01-2023

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Publications in International/National Journal

1. S.C.Sivaprakash, M.Bala Vignesh Kumar, V.Hari Prasath, P.Dhilip and R.Abisheik, "Multi-Band Planar Metamaterial Monopole Antenna with Defected Ground Plane for Mobile Applications", International Journal of New Innovations in Engineering and Technology, Vol.22, No. 1, pp. 390-394, April 2023. ISSN :2319-6319
2. V.Kejalakshmi, A.V.Balajee, T.S.Aswin, S.Balaji and M.Hariprasath, "Real Time Noise Suppression Using Deep Learning", GIS Science Journal, Vol. 10, No. 6, pp. 77-86, June 2023. ISSN :1869-9391. DOI: 20.18001.GSJ.2022.V10I6.23.411217
3. A.Meena, R.Karishma, B.Gayathri and K.B.Hemapriya, "Android Malware detection using extreme gradient boosting algorithm", International Journal for Science and Advance Research In Technology, Vol. 9, No. 4, pp. 266-270, April 2023. ISSN: 2395-1052.
4. Md. Abdul Quadir, Sanjit Kapoor, A.V.Chris Junni, Arunkumar Sivaraman, Kong Fah Tee, H.Sabireen and N.Janakiraman, "Novel Optimization approach for stock price forecasting using multilayered sequential LSTM", Applied Soft Computing, Vol. 134, Article No. 109830, Feb. 2023. ISSN: 1568-4946. DOI: 10.1016/j.asoc.2022.109830
5. S.R.Naresh, N.Naveen Kumar, R.Mukesh Kumar, T.Praveen Raj and P.Gnana Sekar, "DDoS Attack detection using Machine Learning", Journal of Emerging Technologies and Innovative Research, Vol. 10, No. 6, pp. 25-22, June 2023. ISSN: 2349-5162. DOI: 10.6084/m9.jetir.JETIRFZ06005
6. R.Jeyanthi, V.Thenmolhi, N.Swarna Prabha and T.Sneha, "Smart home intrusion detection and tracking system", Journal of Emerging Technologies and Innovative Research, Vol. 10, No. 6, pp. 95-98, June 2023. ISSN: 2349-5162. DOI: 10.6084/m9.jetir.JETIRFZ06016
7. R.Pavithra, R.S.R.Ramesh, M.Santhose and B.G.Venkatesh, "IoT Based Urban Garbage Collection and Sorting System", Journal of Emerging Technologies and Innovative Research, Vol. 10, No. 6, pp. 34-39, June 2023. ISSN: 2349-5162. DOI: 10.6084/m9.jetir.JETIRFZ06006
8. T.V.Thirisa, V.Priyadarshini, S.Padmapriya, A.R.Padmapriya and S.Selvakumar, "An Automatic Fertilizer Sprayer Using Machine Learning Algorithm", Journal of Emerging Technologies and Innovative Research, Vol. 10, No. 6, pp. 82-88, June 2023. ISSN: 2349-5162. DOI: 10.6084/m9.jetir.JETIRFZ06014
9. C.Sasirekha, R.Nandhini, N.L.Karthiga Mai, R.S.Bhuvaneshwari and V.S.Chandra, "Email Phishing Detection Using Machine Learning", International Journal of Engineering Research and Technology, Vol. 11, No. 3, June 2023. ISSN: 2278-0181. DOI: 10.17577/IJERTCONV11IS03045.

Publications in International/National Conference

1. Mrs.A.Meena, R.Karishma, B.Gayathri, K.B.Hemapriya, Android Malware detection using extreme gradient boosting algorithm, The Virtual International Conference on Multidisciplinary Perspectives in Engineering and Technology ICMPEP - 2023, 02-April-2023, Virtual
2. Dr. V. Kejalakshmi, A.V.Balajee, T.S.Aswin, S.Balaji, M.Hariprasath, Real Time Noise Suppression Using Deep Learning, The Virtual International Conference on Multidisciplinary Perspectives in Engineering and Technology ICMPEP - 2023, 02-April-2023, Virtual
3. Dr.B.Buvaneswari, K.Thiviya, B.J.A Vishnu Priya, C.Priya, Text Summarization Applying Machine learning Algorithm, International Conference on EMERGING TRENDS IN ELECTRICAL ELECTRONICS & COMMUNICATION TECHNOLOGY (ICETECT'23), 20-April-2023, Virtual
4. Ms.L.Meenakshi, Sowmiya R, Rithika Sri.M, Sathya.K, Design of planar antenna array for MIMO application, International Conference on Advanced Research in Information and Communication Technologies (ICARICT 2023), 20-April-2023, Virtual
5. Mrs. R. Thilagavathi, MSR.Koushikha, T.S.Divyasri, M Deepika, Performance Analysis of Energy Efficiency

in D2D Communication based on low transmission power and Device Selection,International Conference on Advanced Research in Information and Communication Technologies (ICARICT 2023), 20-April-2023 , Virtual

6.Mr.S.R.Naresh, N.Naveen Kumar, R.Mukesh Kumar, P.Gnana Sekar, T.Praveen Raj ,DDoS Attack Detection using Machine Learning,International Conference on Advanced Research in Information and Communication Technologies (ICARICT 2023), 20-April-2023 , Virtual

7.Dr.R.Jeyanthi,V.Thenmolhi,N.Swarna Prabha,T.Sneha,Smart Home surveillance and tracking system,International Conference on Advanced Research in Information and Communication Technologies (ICARICT 2023) ,20-April-2023 , Virtual

8.Mr.S.Ravisankar, J.R.Yogesh Kumar, K.B.S.Sanjay, A.Chokkar, R.Yogesh,Crime Analysis and Prediction using Data Mining and Machine Learning,International Conference on Advanced Research in Information and Communication Technologies (ICARICT 2023) ,20-April-2023 , Virtual

9.Mr.D.Anand , J.V.K vishwa poojitha, M.Sarumathy, R.vaishaly,Driver drowsiness detection system using raspberry pi,International Conference on Advanced Research in Information and Communication Technologies (ICARICT 2023) ,20-April-2023 , Virtual

10.Mrs.C.Sasirekha,R.S.B huvsneshwari ,V.S.Chandra,N.L.Karth iga Mai, R.Nandhini , Email Phising Detection using Machine Learning,Emerging Trends in Engineering Science & Technology (ETEST-23)

11.Dr.N.Janakiraman, K.K.Prasath, S.Sivaganapathy, G.Shandosh Balaji, Alcohol Detection and Acciident Prevention ;using IOT and Machine Learning” ,International Conference on Emerging Trends In Electrical Electronics &Communication Technology (ICETEECT'23,20-April-2023 , Virtual

12.Mr. B Balan , R.Vishnunathan, M.S.Santhoshkumar, A.R.L.Santhoshkumar, G.J.Sabari Kumar,Object Detection and Recognition for visually impaired people,International Conference on EMERGING TRENDS IN ELECTRICAL ELECTRONICS &COMMUNICATION TECHNOLOGY (ICETEECT'23,20-April-2023 ,Virtual

13.Mrs. S. Indumathi, K.Pranava kumar, T.M.Uma Maheshwaran, K.Sasiakumar,Smart Poultry Farm,International Confrence on EMERGING TRENDS IN ELECTRICAL ELECTRONICS &COMMUNICATION TECHNOLOGY (ICETEECT'23),20-April-2023 , Virtual

14.Mr. S.Selvakumar,Automatic Ferto;ozer Sprayer using Machine Learning Algorithm,International Conference on Advanced Research in Information and Communication Technologies (ICARICT 2023),20-April-2023 , Virtual

15.Dr. Subha S,Cryptography Hybrid Algorithm Embed with Image for Securing Data ,Emerging Trends in Engineering Science & Technology (ETEST-23),20-April-2023 , Virtual

16.Dr. P.S.Kumaresh, V.Abinaya, B.Gokulapriya, CR Induja, M.Selvi ,Vehicle Anti Theft Detection and Protection with Shock using Face Recognition and IOT Notification,International Conference on Advanced Research in Information and Communication Technologies (ICARICT 2023),20-April-2023 , Virtual

17.Dr.T.R.Muthu, U,Dhivya, R.Gowtham, S.G.Madhan Kumar, A.Nithish Kumar, C.Boopathi,A Novel Design Of Microstrip Fractal Antenna For Wireless Applications,International Conference on ADVANCED RESEARCH IN INFORMATION AND COMMUNICATION TECHNOLOGIES (ICARICT 2023),20-April-2023 , Virtual

18.Mrs. M.Amudha, Akkash M Rao, Manivel Pandian R, Madhava Narayanan K, Senthil Sachin S L,Performance Analysis of K-Mean Clustering and Hierarchical Clustering in VLSI,International Conference on Emerging Trends In Engineering And Technology (ICETET'23),20-April-2023 , Virtual

19.Dr.S.C.Sivaprakash,Multi - Band Planar Meta Material Mono Pole Antenna with Defected Ground Plane for Mobile Applications,International Conference on Engineering Technology and Science,20-April-2023 , Virtual

20.Mr.D.Anand , J.V.K vishwa poojitha, M.Sarumathy, R.vaishaly ,Driver drowsiness detection using raspberry pi ,Innovations and Technological Development in Electronics , Computers , and Communication (ITDECC -

2023),21 April-2023, Virtual

21.Mrs. R.Pavithra,IOT based Urban Garbage Collection and Sorting System,International Conference on Advanced Research in Information and Communication Technologies (ICARICT 2023),21 April-2023, Virtual

22.Dr. P. Karpagavalli, K.K.Bhuvanesh, G.P.Vishnu prakash, M.K.Sharvesh barath, M.Sarath kumar,ABNORMAL EVENT DETECTION IN VIDEO SURVEILLANCE USING CNN ,International Conference on Advanced Research in Information and Communication Technologies,21 April-2023, Virtual

Books / Book Chapters Published

S. No	Name of the Author(s)	Title of the Book	Chapter	Publisher	ISBN	Year
1	N.Janakiraman, R.Pavithra and R.Angayarkanni	VLSI Design	–	Meenambegai Publication	978-93-5137- 245-5	2023

Short term courses/seminar/symposium attended by the Faculty Members:

S.No	Name of the Faculty Member	Designation	Programme Attended	Date	Place
1	Mrs. R. Pavithra	AP/ECE	FDP	09.01.2023 – 13.01.2023	KLNCE
2	Mrs. T. Sugumari	AP/ECE	FDP	09.01.2023 – 13.01.2023	KLNCE
3	Mrs. U. Dhivya	AP/ECE	FDP	09.01.2023 – 13.01.2023	KLNCE
4	Mrs. U. Dhivya	AP/ECE	FDP	17.01.2023 – 21.01.2023	KLNCE
5	Mrs. U. Dhivya	AP/ECE	FDP	23.01.2023 – 27.01.2023	KLNCE
6	Mr. S. Ravisankar	AP/ECE	FDP	23.01.2023 – 27.01.2023	KLNCE
7	Ms. L. Meenakshi	AP (Sr.Gr)/ECE	FDP	23.01.2023 – 28.01.2023	KLNCE
8	Mrs. M. Amudha	AP (Sr.Gr)/ECE	FDP	23.01.2023 – 28.01.2023	KLNCE
9	Mrs. T. Sugumari	AP/ECE	FDP	23.01.2023 – 28.01.2023	KLNCE
10	Dr. V. Kejalakshmi	Prof & Head	Workshop	28.01.2023	KLNCE
11	Mrs. T. Sugumari	AP/ECE	Workshop	28.01.2023	KLNCE
12	Mrs. U. Dhivya	AP/ECE	Workshop	28.01.2023	KLNCE
13	Mr. B. Balan	AP/ECE	Workshop	28.01.2023	KLNCE
14	Dr. B. Buvaneswari	ASP/ECE	FDP	30.01.2023 – 01.02.2023	KLNCE
15	Mr. S. R. Naresh	ASP/ECE	FDP	30.01.2023 – 01.02.2023	KLNCE
16	Ms. L. Meenakshi	AP (Sr.Gr)/ECE	FDP	30.01.2023 – 01.02.2023	KLNCE
17	Mr. D. Anand	AP/ECE	FDP	30.01.2023 – 01.02.2023	KLNCE
18	Mrs. R. Pavithra	AP/ECE	FDP	30.01.2023 – 01.02.2023	KLNCE
19	Mrs. C. Sasirekha	AP/ECE	FDP	30.01.2023 – 01.02.2023	KLNCE
20	Mr. S. Selvakumar	AP/ECE	FDP	02.02.2023 – 17.02.2023	KLNCE
21	Mrs. M. Amudha	AP (Sr.Gr)/ECE	Seminar	07.02.2023	KLNCE
22	Mr. D. Anand	AP/ECE	Seminar	07.02.2023	KLNCE
23	Mr. B. Balan	AP/ECE	Seminar	07.02.2023	KLNCE
24	Dr. S. Subha	ASP/ECE	Workshop	08.02.2023 – 10.02.2023	KLNCE
25	Mrs. M. Amudha	AP (Sr.Gr)/ECE	Workshop	08.02.2023 – 10.02.2023	KLNCE
26	Mrs. S. Indumathi	AP/ECE	Workshop	08.02.2023 – 10.02.2023	KLNCE
27	Mr. S. Ravisankar	AP/ECE	FDP	08.02.2023 – 10.02.2023	KLNCE
28	Mrs. T. Sugumari	AP/ECE	Workshop	08.02.2023 – 10.02.2023	KLNCE
29	Mrs. U. Dhivya	AP/ECE	Workshop	08.02.2023 – 10.02.2023	KLNCE
30	Mrs. M.	AP/ECE	Workshop	08.02.2023 – 10.02.2023	KLNCE

	Angayarkanni				
31	Dr. P. S. Kumaresh	AP (Sr.Gr)/ECE	Workshop	08.02.2023 – 10.02.2023	KLNCE
32	Mrs. R. Thilagavathy	AP (Sr.Gr)/ECE	Workshop	08.02.2023 – 10.02.2023	KLNCE
33	Mrs. M. Amudha	AP (Sr.Gr)/ECE	Awareness Programme	09.02.2023	KLNCE
34	Mrs. R. Thilagavathy	AP (Sr.Gr)/ECE	Awareness Programme	09.02.2023	KLNCE
35	Mrs. U. Dhivya	AP/ECE	Awareness Programme	09.02.2023	KLNCE
36	Mrs. T. Sugumari	AP/ECE	Awareness Programme	09.02.2023	KLNCE
37	Mrs. A. Meena	AP/ECE	Workshop	09.02.2023 – 11.02.2023	KLNCE
38	Dr. P. S. Kumaresh	AP (Sr.Gr)/ECE	Workshop	09.02.2023 – 11.02.2023	KLNCE
39	Ms. L. Meenakshi	AP (Sr.Gr)/ECE	FDP	13.02.2023 – 17.02.2023	KLNCE
40	Mrs. R. Thilagavathy	AP (Sr.Gr)/ECE	FDP	13.02.2023 – 17.02.2023	KLNCE
41	Mrs. S. Indumathi	AP/ECE	FDP	13.02.2023 – 17.02.2023	KLNCE
42	Mr. S. Ravisankar	AP/ECE	FDP	13.02.2023 – 17.02.2023	KLNCE
43	Mrs. U. Dhivya	AP/ECE	FDP	13.02.2023 – 17.02.2023	KLNCE
44	Mr. B. Balan	AP/ECE	FDP	13.02.2023 – 17.02.2023	KLNCE
45	Mrs. U. Dhivya	AP/ECE	FDP	20.02.2023 – 24.02.2023	KLNCE
46	Dr. S. Subha	ASP/ECE	FDP	13.03.2023 – 21.03.2023	KLNCE
47	Dr. S. Subha	ASP/ECE	Webinar	10.03.2023	KLNCE
48	Dr. S. C. Sivaprakash	Professor	FDP	14.03.2023 – 18.03.2023	KLNCE
49	Mrs. T. R. Muthu	AP (Sr.Gr)/ECE	FDP	27.03.2023 – 27.04.2023	KLNCE
50	Dr. B. Buvaneswari	ASP/ECE	FDP	08.05.2023 – 12.05.2023	KLNCE
51	Mrs. T. R. Muthu	AP (Sr.Gr)/ECE	FDP	08.05.2023 – 12.05.2023	KLNCE
52	Mr. S. Ravisankar	AP/ECE	FDP	09.05.2023 & 10.05.2023	KLNCE
53	Mrs. R. Thilagavathy	AP (Sr.Gr)/ECE	FDP	09.05.2023 & 10.05.2023	KLNCE
54	Mrs. M. Amudha	AP (Sr.Gr)/ECE	FDP	09.05.2023 & 10.05.2023	KLNCE
55	Mrs. M. Angayarkanni	AP/ECE	Workshop	05.06.2023 & 06.06.2023	KLNCE

Short term courses /seminar/symposium organized by the Department:

Date	Title	Details of Resource Person	No.of Participants
03.05.2023	REFLECHIR 23	Mr M.Senthil Kumar CEO & Co-founder of Jio vio health care	More than 50 students are participated from 2nd & 3rd year ECE students

Staff Achievements/Recognition / Honours

Name and Designation of the Staff Member	Staff/Recognition/ Honors	Date/Place
Dr. V. Kejalakshmi, HOD / ECE	NPTEL SPOC Award	2023
Dr. V. Kejalakshmi, HOD / ECE	World Scientist & University in India Rankings-AD Scientific Index	2023
Dr.N.Janakiraman, Prof./ECE	World Scientist & University in India Rankings-AD Scientific Index	2023

Dr.P.Karpagavalli, ASP/ECE	World Scientist & University in India Rankings-AD Scientific Index	2023
Dr.B.Buveneswari, ASP/ECE	World Scientist & University in India Rankings-AD Scientific Index	2023

Guest Lectures / Expert Talks Organized

S. No	Name of the Speaker	Topic	Organization	Institution	Date
1	Mr.A.M.Sasi kumar	Python and its Applications	SSI Education	K.L.N College of Engineering	5.01.2023
2.	Mr M.Muthuramalingam	Block chain technology	M/S AIS Education	K.L.N College of Engineering	25.01.2023
3	Mr.Vignesh	IoT using Raspberry pi	VI Microsystems	K.L.N College of Engineering	11.03.2023
4.	Mr.T.S.Vignesh Babu	Cyber Security	Digitalert	K.L.N College of Engineering	06.4.2023

Extension Activities / Social Outreach

S. No	Activity	Department	Beneficiaries	Date
1	Awareness on Women Empowerment to Girl students	Electronics and Communication	School students	31.1.2023

NPTEL Online Certification Courses (Faculty Members)

Name of the Staff & Designation	Course Title	Course duration	Course conducted by	Award (Elite/Silver/Pass)
Dr.Janakiraman N Prof/ECE	Patent law for Engineering	Jan-Apr 2023	NPTEL	Pass
Mr.Balan B, AP/ECE	Introduction To Internet Of Things	Jan-Apr 2023	NPTEL	Pass
Ms.Angayarkanni, AP/ECE	Introduction To Internet Of Things	Jan-Apr 2023	NPTEL	Elite
Dr.Janakiraman N Prof/ECE	Patent Drafting for Beginners	Jan-Apr 2023	NPTEL	Elite
Dr P Karpagavalli ASP/ECE	Roadmap for patent creation	Jan-Apr 2023	NPTEL	Pass

Funding obtained from National bodies/AU/Industry

S.No	PI & CO- PI	Title of the Research project	Fund Generated / Proposal Applied	Funding Agency	Amount Generated / Proposed	Year of Funding Approved
1	R.Mohan Kumar, N.Janakiraman	Real-Time Embedded Control Systems for Autonomous Vehicles	1.1 (lakh)	Pentaxial Technologies, Software company in Madurai, Tamil Nadu.	1.1 (lakh)	2023

Industry Collaboration / MoU

S.No.	Organization Name	Purpose of MoU	Department	Year
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1	Pentaxial Technologies, Madurai	Mutual agreement	ECE	2022-2023
2	Eskimo Robotics Inc	Consultancy project	ECE	2023-2024
3	ISTE and BNY Mellon	Organized Hands-on training for students titled "IoT for Beginners" using Node MCU and "IoT using Raspberry-pi". Mentored IoT based projects for final year student	ECE	2023-2024

Student / Faculty Project Details (Mapped with SDG Goals)

S. No	Title of the Project	Name of Student(s) / Faculty	Guide / Supervisor	Mapped with SDG Goal	Year
1	Load Man's Stair climber	S.Selvakumar	-	SDG-9 Industry and innovation	2023
2	Innovative Ventilated Seats	S.C.Sivaprakash S.R.Naresh S.Selvakumar B.Balan	-	SDG-3 Good health and Well being	2023
3	Momordica charantia leaf disease detection and treatment using agricultural mobile robot	M.Amudha S.Ravisankar T.Sugumari R.Angayarkanni	-	SDG-2 Zero Hunger	2023

NPTEL Online Certification Courses (Students)

S.N o.	Name of the Student	Year	NPTEL Course Name	Duration	Award (Elite/Silver/P ass)
1	Madhesh S D O	II	Introduction To Internet Of Things	Jan-Apr 2023	Elite
2	Ber nismariya	III	Introduction To Internet Of Things	Jan-Apr 2023	Elite
3	Dinesh Kumar T S	II	Introduction To Internet Of Things	Jan-Apr 2023	Elite
4	Harshitha Tm	III	Introduction To Internet Of Things	Jan-Apr 2023	Elite
5	Priyadharshini B K	III	Introduction To Internet Of Things	Jan-Apr 2023	Elite
6	Srikumar T B	III	Introduction To Internet Of Things	Jan-Apr 2023	Elite
7	Latikaa Tejus J	III	Introduction To Internet Of Things	Jan-Apr 2023	Elite
8	M Vignesh	II	Introduction To Internet Of Things	Jan-Apr 2023	Elite
9	Shriram Gs	III	Leadership and Team Effectiveness	Jan-Apr 2023	Elite
10	Vishnu Wardhan V	III	Introduction To Industry 4.0 And Industrial Internet Of Things	Jan-Apr 2023	Elite
11	Mohamed Abbas Mandhri N	II	Introduction To Internet Of Things	Jan-Apr 2023	Elite
12	Arjun	II	Introduction To Internet Of Things	Jan-Apr 2023	Elite
13	Arvind K V	II	Introduction To Internet Of Things	Jan-Apr 2023	Elite
14	S Divya Dharshika	II	Introduction To Internet Of Things	Jan-Apr 2023	Elite
15	Giridhar Vignesh	II	Introduction To Internet Of Things	Jan-Apr 2023	Elite
16	Mohana Priya J	II	Introduction To Internet Of Things	Jan-Apr 2023	Elite

17	Joshiga S	II	Introduction To Internet Of Things	Jan-Apr 2023	Elite
18	R Karishma	II	Introduction To Internet Of Things	Jan-Apr 2023	Elite
19	Katelyn Lindsey D	II	Introduction To Internet Of Things	Jan-Apr 2023	Elite
20	M gopika	II	Introduction To Internet Of Things	Jan-Apr 2023	Elite
21	Yashwanthini R M	II	Introduction To Internet Of Things	Jan-Apr 2023	Elite
22	D Dharanisha	II	Introduction To Internet Of Things	Jan-Apr 2023	Elite
23	Veera Sarika Tk	III	Introduction To Industry 4.0 And Industrial Internet Of Things	Jan-Apr 2023	Elite
24	Thaiyalnayaki A	II	Introduction To Internet Of Things	Jan-Apr 2023	Elite
25	P Vishnu	II	English Language for Competitive Exams	Jan-Apr 2023	Elite
26	Vishwa K	II	English Language for Competitive Exams	Jan-Apr 2023	Elite
27	A J Snegha	II	English Language for Competitive Exams	Jan-Apr 2023	Elite
28	Abdul Ajees K	III	Training and Development	Jan-Apr 2023	Elite
29	Suryaprakash S	II	English Language for Competitive Exams	Jan-Apr 2023	Elite
30	Shriram GS	III	Sensors and actuators	Jan-Apr 2023	Elite
31	Premkumar k R	II	Introduction to Embedded System Design	Jan-Apr 2023	Elite
32	Ajay Kumar M	III	Training and Development	Jan-Apr 2023	Elite+gold
33	M Vishal	II	Education for Sustainable Development	Jan-Apr 2023	Elite+gold
34	Logesh M	II	Introduction To Internet Of Things	Jan-Apr 2023	Elite+Silver
35	Amruthavarsha M	III	Training and Development	Jan-Apr 2023	Elite+Silver
36	S Mathanraja	III	Training and Development	Jan-Apr 2023	Elite+Silver
37	Mugeshwaran R	II	Introduction To Internet Of Things	Jan-Apr 2023	Elite+Silver
38	Sri Vageeswari Gayathri V	II	Education for Sustainable Development	Jan-Apr 2023	Elite+Silver
39	Thisha M	III	Introduction To Internet Of Things	Jan-Apr 2023	Pass
40	F Asraf Nisha	III	Introduction To Industry 4.0 And Industrial Internet Of Things	Jan-Apr 2023	Pass
41	Tamilarasan S	III	Introduction To Internet Of Things	Jan-Apr 2023	Pass
43	Arun Karthick N	II	Introduction To Internet Of Things	Jan-Apr 2023	Pass
44	Aswin Kumar M	II	Introduction To Internet Of Things	Jan-Apr 2023	Pass
45	Eswaralal Bk	II	Introduction To Internet Of Things	Jan-Apr 2023	Pass
46	Deena Thayalan A	II	Introduction To Internet Of Things	Jan-Apr 2023	Pass
47	Deepika R	III	Introduction To Industry 4.0 And Industrial Internet Of Things	Jan-Apr 2023	Pass
48	Haryni M	II	Introduction To Internet Of Things	Jan-Apr 2023	Pass
49	Harini M	II	Introduction To Internet Of Things	Jan-Apr 2023	Pass
50	Kishore Babu K G	III	Data Analytics with Python	Jan-Apr 2023	Pass
51	Dharma Mukesh S	II	Introduction TO Internet Of Things	Jan-Apr 2023	Pass
52	Saravanan K R	II	Introduction To Internet Of Things	Jan-Apr 2023	Pass
53	P G Sharann	II	English Language for Competitive Exams	Jan-Apr 2023	Pass
54	S Sutharsan	II	English Language for Competitive Exams	Jan-Apr 2023	Pass
55	Srihari Raj	II	English Language for Competitive Exams	Jan-Apr 2023	Pass

58	Raja Ganapathy S	II	English Language for Competitive Exams	Jan-Apr 2023	Pass
60	Kishore Kumar S	III	Road map For Patent Creation	Jan-Mar 2023	Elite
61	Gnana Sekar P	IV	Analog Circuits	Jan-Mar 2023	Elite
62	Amruthavarsha M	III	Road map For Patent Creation	Jan-Mar 2023	Pass

Student Achievements (Competitions / Hackathons / Sports / Cultural)

S. No	Name of the student	Title of the event	Competition	Achievement / Prize	Organized by	Year
1	A.P. Sri Shasti	Paper presentation	PowerPoint Presentation for UG Students	Runner	Sourashtra College, Madurai	II
2	S. M. Amarnath	workshop	Two Days Hands-on Workshop in Machine Learning	Participated	K.L.N. College of Engineering	III
3	S. M. Amarnath	workshop	Design with Vision – Get Started with AR	Participated	Anna University, Chennai	III
4	Gurubaran, S. Karan, R. B. Prasanna Kumar, G. Natesan, A. Praveen	Hackathon	Hackathon “DevHack 2023”	Participated	Thiagarajar College of Engineering	II/III
5	R. Janet Rajakiruba	Hackathon	Advance Python Programming (Scifesta Vol 3)	Participated	Annamalai Innovation & Incubation	II
6	R. Janet Rajakiruba	workshop	DSP using Vedic Mathematics	Participated	Mepco Schlenk Engineering College	II
7	S. Mathan raja	workshop	Web of Cards (WebDevelopment)	Participated	National Institute of Technology, Trichy	III
8	S. Karan, J. Mohanapriya, T. G. Priyadharshini, V. Harshini	Boot Camp	3-day Boot Camp for TNSI - 2022	Participated	Madurai Kamaraj University	II/III
9	R. Janet Rajakiruba	workshop	ICT Tech Update: Git, Apps, Data Science	Participated	Anna University, Chennai	II
10	K. B. Ajay Kumar, S. Joshiga, J. Joel Joseph	Hackathon	R Programming in Data Analytics (KRIA 2023)	Participated	PSG College of Tech, Coimbatore	II
11	Divya Darshika	workshop	Game Development (KRIA 2023)	Participated	PSG College of Tech, Coimbatore	II

12	R. Balamurugan, S. Juan Collins, R. K. Dinesh, M. Haryni, N. G. Amirtha varshini, M. Gopika, M. Harini, F. Jerome	workshop	Imaging Solutions for 2050	Participated	National Institute of Technology, Trich	II
13	S. Karan, M. Aswin Kumar, S. Dharma Mukesh, K. B. Ajay Kumar, T. S. Dinesh Kumar, J. Joel Joseph, A. P. Sri Shasti	Paper Presentation	PAPER FIESTA TechFest 2023	Winner	K.L.N. College of Engineering	II/III
14	J. Mohanapriya, T. G. Priya dharshini	Project presentation	TechFest 2023 Project Presentation	Participated	K.L.N. College of Engineering	II
15	R. B. Prashanna Kumar, G. Natesan, A. Praveen	Symposium	Tamilnadu Student Innovators	WON I Prize (₹1 Lakh)	Hindustan College, Chennai	II
16	R. B. Prashanna Kumar, G. Natesan, A. Praveen	TNSI	State Level Final Pitch (TNSI 2022)	Participated	EDII-TN, Chennai	II
17	R. B. Prashanna Kumar, G. Natesan, A. Praveen	Symposium	Olimayam 2.0 (Team: RUFIOO)	WON II Prize (₹30k)	Knowledge Inst. of Tech, Salem	II
18	S. Karan, S. M. Amarnath	Paper presentation	Paper Presentation (ELIXIR + 23)	WON II Prize	Thiagarajar College of Engineering	III
19	S. M. Amarnath	Hackathon	Digital Doomers (ELIXIR + 23)	WON I Prize	Thiagarajar College of Engineering	III
20	D. Dhanaranisha, V. Harshini, S. Joshiga, V. S. Aishwarya, C. Giridhar Vignesh	Hackathon	Digital Doomers (ELIXIR + 23)	Participated	Thiagarajar College of Engineering	II
21	S. Karan, N. K. Nandha Kumar, D. Dhanaranisha, V. Harshini, V. S. Aishwarya, C. Giridhar Vignesh, S. Joshiga, S. Raghavendran, N. R. Prasanna, S. D. O. Madhesh	Paper presentation	Paper Presentation (ELIXIR + 23)	Participated	Thiagarajar College of Engineering	II/III

22	S. Joshiga, S. Matha raja, V. Harshini, D. Dhanaranisha, J. Mohanapriya, T. G. Priya dharshini	Workshop	Electrical Vehicle Workshop (ELIXIR + 23)	Participated	Thiagarajar College of Engineering	II/III
23	J. Mohanapriya	Hackathon	Techno Triathlon (KRETA'23)	WON II Prize	Thiagarajar College of Engineering	II
24	C. Giridhar Vignesh	Workshop	Hands On Ruckus (KRETA'23)	WON I Prize	Thiagarajar College of Engineering	II
25	G. V. Ashwin Suryaa, N. Arun Karthick, L. Aishwarya	Workshop	Hands On Ruckus (KRETA'23)	WON III Prize	Thiagarajar College of Engineering	II
26	V. S. Aishwarya, S. Joshiga, V. Harshini, R. Janet Rajakiruba, D. Dhanaranisha	Workshop	Hands On Ruckus (KRETA'23)	Participated	Thiagarajar College of Engineering	II
27	R. B. Prashanna Kumar, G. Natesan, A.Praveen	Project presentation	"TAILWAG PET FEEDER" (Project Expo 2K23)	Won I Prize	K.L.N. College of Engineering	II
28	S. Karan	Student's Awareness Program	Student's Awareness Program on Swayam-NPTEL	Participated	SRM Madurai College for Engineering	III
29	S. M. Amarnath	Achievement in End Semester Exam 21-22	Achievement in End Semester Exam 21-22	Won II Prize	K.L.N. College of Engineering	III

Industrial Visits

Year/Sem	Date	Industry Visited
II,III,IV Year ECE	21.03.2023	Solar observatory, Kodaikanal

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Publications in International/ National Journal

1.Dr.R.Karthick ,“ Deep Convolutional Spiking Neural Network optimized with Arithmetic optimization algorithm for lung disease detection using chestX-rayimages”, International Journal of Biomedical signal Processing and control, Vol.79,January 2023.

2.Mr.D.Prabhu, Dr.S.Miruna Joe Amali, “Multiple agent based reinforcement learning for energy efficient routing in WSN”, Wireless Networks Springer, Vol.29,January 2023

3.Dr.S.Miruna Joe Amali, “A Steganography embedding method based on CDF-DWT technique for data hiding application using Elgamal algorithm”, International Journal of Bio medical signal Processing and control, Vol.80,part1,February 2023

4.Dr.R.Karthick, “Dual-Channel Capsule Generative Adversarial Network Optimized with Golden Eagle Optimization for Pediatric Bone Age Assessment from Hand X-Ray Image”, International Journal of Pattern Recognition and Artificial Intelligence, Vol. 37, Issue 02 February 2023

5.Dr.S.Miruna Joe Amali,”Secure and low PAPR OFDM system using TCCM Annals of Telecommunications “,February 2023

6.Dr.S.Miruna Joe Amali ,”Automatedlinux malware analysis system using sandbox, Gis science journal “,Volume 10, Issue 4, April 2023

7.Dr.S.Miruna Joe Amali, ”A Self-Adaptive Trajectory Optimization Algorithm Using Fuzzy Logic for Mobile Edge” Computing System Assisted by Unmanned Aerial Vehicle Drones(MDPI) ,April 2023

Publications in International/National Conference

1. Mrs.S.Venkata Lakshmi”Symptom based prognosis using DeepLearning “, National Conference on Emerging Trends in Engineering Science & Technology, HindusthanInstitute oftechnology,Coimbatore,April 19-20,2023.

Books / Book Chapters Published

S. No	Name of the Author(s)	Title of the Book	Chapter	Publisher	ISBN	Year
1	Dr.P.Prem Kumar, Dr.S.Miruna Joe Amali	Programming in C	1	Maruthi Publishers	ISBN 978-81-94058-20-5	2023

Short term courses/seminar/symposium attended by the Faculty Members

Name and Designation of the Faculty Member	Seminar/Workshop/Course Attended	Date/Place
Mr.D.Pravin Kumar, ASP/CSE	FDP on Recent Advancements in Artificial Intelligence &IOT	RMK College of Engg and Technology,Chennai/02.01.23 to 06.01.23
Mr.D.Pravin Kumar, ASP/CSE	Workshop on Thesis Writing Skills	Nuhianwali Education Society,Haryana 04.01.23 to 07.01.23
Mr.T.Gopu, AP/CSE	Workshop on Application of Deep Learning Techniques in Image Retrieval	Mangayarkarasi College of Engineering 11.01.23 to 12.01.23
Mrs. S. Yoheswari, AP/CSE	Master Class on Machine Learning	Pantech E- Learning/11.01.23-10.02.23
Mrs. S. Yoheswari, AP/CSE	Workshop Application of Deep Learning Techniques in Image Retrieval	Mangayarkarasi College of Engineering 11.01.23 -12.01.23
Mrs.K.Usharani, AP/CSE	Workshop Application of Deep Learning Techniques in Image Retrieval	Mangayarkarasi College of Engineering 11.01.23 -12.01.23
Mr.T.Gopu, AP/CSE	Master class Workshop on Machine Learning	Pantech e Learning/11.01.23 to 10.02.23
Mrs.K.Usharani, AP/CSE	Master Class on Machine Learning	Pantech E- Learning/11.01.23-10.02.23
Dr.S.Subashini, ASP/CSE	Workshop Machine Learning	ECE / KLNCE/13.01.23 & 14.01.23
Mr.D.Pravin Kumar, ASP/CSE	FDP on Recent Advancements in Artificial Intelligence &IOT	RMK College of Engg and Technology,Chennai
Mr.T.Gopu,AP/CSE	Machine Learning	KLNCE/13.01.23 & 27.01.23

Mrs. S. Yoheswari, AP/CSE	Two Days Hands on Workshop in Machine Learning	KLNCE /13.01.23,27.01.23
Mrs.K.Usharani, AP/CSE	Two Days Hands on Workshop in Machine Learning	KLNCE /13.01.23,27.01.23
Dr.S.Subashini, ASP/CSE	FDP on Emerging Technologies for Education and Research	Sree Sakthi Engineering College, Coimbatore/30.01.23 to 01.02.23
Mrs. S. Yoheswari, AP/CSE	FDP on Emerging Technologies for Education and Research	Sree Sakthi Engineering College, Coimbatore/30.01.23 to 01.02.23
Mrs.K Vanithamani, AP/CSE	FDP on Emerging Technologies for Education and Research	Sree Sakthi Engineering College, Coimbatore/30.01.23 to 01.02.23
Mr.D.Pravin Kumar, ASP/CSE	FDP on Quality Research Publication & Thesis Writing	Vellore Institute of Technology,Chennai 30.01.23 to 01.02.23
Ms.S.Sangamithra, AP/CSE	FDP on Emerging technologies for Education and Research	Sreesakthi engineering college 30.01.2023 to 01.02.2023
Mrs.R.Kirubahari, AP/CSE	FDP Emerging Technologies for Education and Research	Sree Sakthi Engineering College, Coimbatore 30.01.23 to 01.02.23
Mr.T.Gopu, AP/CSE	Webinar on Open Innovation Challenge	SRM -Madurai College for Engineering and Technology 30.01.23 to 01.02.23
Mrs.S.Maria Sobana, AP/CSE	Awareness/Training program under National Intellectual Property Awareness Mission	National IP awareness Mission 30.01.23 to 01.02.23
Mrs.S.Maria Sobana, AP/CSE	Webinar on Metaverse association with CSI	Chalapathi institute of Engineering and Technology,Guntur 30.01.23 to 01.02.23
Mrs.K.Usharani, AP/CSE	FDP on Emerging Technologies for Education and Research	Sree Sakthi Engineering College, Coimbatore,30.01.23 to 01.02.23
Mrs.S.Maria Sobana, AP/CSE	FDP on Emerging technologies for Education and Research	Sreesakthi engineering college 30.01.2023 to 01.02.2023
Dr.R.Lakshmi, ASP/CSE	FDP on Emerging Technologies for Education and Research	Sree Sakthi Engineering College, Coimbatore,30.01.23 to 01.02.23
Mr.T.Gopu, AP/CSE	FDP on Emerging Technologies for Education and Research	Sree Sakthi Engineering College, Coimbatore 30.01.23 to 01.02.23
Mrs.G.Rajeswari, AP/CSE	FDP on Emerging Technologies for Education and Research	Sree Sakthi Engineering College, Coimbatore 30.01.23 to 01.02.23
Mrs.S.Venkata Lakshmi, AP/CSE	FDP Emerging Technologies for Education and Research	Sree Sakthi Engineering College, Coimbatore 30.01.23 to 01.02.23
Mr.T.Gopu	Workshop on Emerging Trends in Power Engineering	National Institute of Tecnology,Warangal 30.01.23 to 31.01.23
V.Karpagam, AP(Sr.Gr)/CSE	FDP on Digital Teaching Techniques	ICTACT /02-02-23 To 17-02-23
Mrs.S.Venkata Lakshmi, AP/CSE	FDP Digital Teaching Techniques	ICTACT/02-02-23 To 17-02-23
Mrs.R.Kirubahari, AP/CSE	FDP Digital Teaching Techniques	ICTACT/02-02-23 To 17-02-23

Mr.D.Pravin Kumar, ASP/CSE	Workshop on Thesis Writing Skills	Nuhianwali Education Society,Haryana 02-02-23 To 17-02-23
Mrs.S.Maria Sobana, AP/CSE	FDP on Emerging technologies for Education and Research	Sreesakthi engineering college/02-02-23 To 17-02-23
Mrs.G.Rajeswari, AP/CSE	FDP on Digital Teaching Techniques	ICTACT/02-02-23 To17-02-23
Mr.T.Gopu, AP/CSE	Workshop on Role of Assessment and Accreditation toward Improving the Quality of Education and National Education Policy Implementation in Higher Educational Institutions	Kamaraj College of Engineering & Technology 08.02.23 to 10.02.23
Mrs.K.Usharani, AP/CSE	Workshop Role of Assessment and Accreditation toward Improving the Quality of Education and National Education Policy Implementation in Higher Educational Institutions	Kamaraj College of Engineering & Technology 08.02.23-10.02.23
Mrs. S. Yoheswari, AP/CSE	Workshop Role of Assessment and Accreditation toward Improving the Quality of Education and National Education Policy Implementation in Higher Educational Institutions	Kamaraj College of Engineering & Technology 08.02.23-10.02.23
Mrs.K.Usharani, AP/CSE	Training program National Intellectual Property Awareness Mission	K.L.N College of Engineering/09.02.23
Mrs. S. Yoheswari, AP/CSE	Training program National Intellectual Property Awareness Mission	K.L.N College of Engineering 09.02.23/
Ms.S.Sangamithra, AP/CSE	Awareness/Training program under National Intellectual Property Awareness Mission	National IP awareness Mission/09.02.2023
Dr.S.Subashini, ASP/CSE	Training Program on National Intellectual Property Awareness Mission	K.L.N College of Engineering/09.02.23
Mrs.S.Maria Sobana, AP/CSE	Awareness/Training program under National Intellectual Property Awareness Mission	National IP awareness Mission/09.02.2023
Mrs.D.Thangamari, AP/CSE	Awareness/Training program under National Intellectual Property Awareness Mission	National IP awareness Mission/09.02.2023
Mr.T.Gopu, AP/CSE	FDP on Data Analytics and Machine Learning	Ramco Institute of Technology/09.02.23
Mr.T.Gopu, AP/CSE	FDP on Data Analytics and Machine Learning	Ramco Institute of Technology 13.02.23 to 17.02.23
Mrs.K.Usharani, AP/CSE	FDP Data Analytics and Machine Learning	Ramco Institute of Technology 13.02.23-17.02.23
Mrs. S. Yoheswari, AP/CSE	FDP Data Analytics and Machine Learning	Ramco Institute of Technology 13.02.23-17.02.23
Mrs. S. Yoheswari, AP/CSE	Webinar on Thozhil Seya Virumbu	EDII-Periyakulam Horti Business Incubation Forum 08.03.23

Mrs.K.Usharani, AP/CSE	Webinar on Thozhil Seya Virumbu	EDII-Periyakulam Horti Business Incubation Forum 08.03.23
Mr.D.Prabhu, AP/CSE	ICTACT - 50th edition of BRIDGEConference	Trade Centre,Chennai. 13.03.23
Mrs.S.Maria Sobana, AP/CSE	Webinar on IPR association with CSI	Chalapathi institute of Engineering andTechnology 20.03.2023
Ms.S.Sangamithra, AP/CSE	Webinar on IPR association with CSI	Chalapathi institute of Engineering and Technology,Guntur 20.03.2023
Mrs.S.Gayathri, AP/CSE	Webinar on Global Applications using IOT in Digital Marketing	Chalapathi Institute of Engineering and Technology 24.03.2023
Mrs.N.Gajalakshmi, ASP/CSE	Webinar on Global Applications using IOT in Digital Marketing	Chalapathi Institute of Engineering and Technology,24.03.2023
Ms.S.Sangamithra, AP/CSE	Webinar on Metaverse association with CSI	Chalapathi institute of Engineering and Technology,Guntur,27.03.2023
Mrs.N.Gajalakshmi, ASP/CSE	Webinar on Metaverse	Chalapathi Institute of Engineering and Technology,27.03.2023
Mrs.S.Maria Sobana, AP/CSE	Webinar on Metaverse association with CSI	Chalapathi institute of Engineering and Technology,Guntur,27.03.2023
Mrs.S.Gayathri, AP/CSE	Webinar on Metaverse	Chalapathi Institute of Engineering and Technology,27.03.2023
Mr.D.Pravin Kumar, ASP/CSE	FDP on Quality Research Publication & Thesis Writing	Vellore Institute of Technology,Chennai 29.03.23 to 31.03.23
Mrs.G.Rajeswari, AP/CSE	Webinar on Open Innovation Challenge	SRM -Madurai College for Engineering and Technology,19.04.23
Mr.T.Gopu, AP/CSE	Webinar on Open Innovation Challenge	SRM -Madurai College for Engineering and Technology/19.04.23
Mrs.S.Maria Sobana, AP/CSE	Webinar on Open Innovative Challenges	SRM -Madurai College for Engineering and Technology/
Mrs.S.Gayathri, AP/CSE	Webinar in Open Innovative Challenges	SRM -Madurai College for Engineering and Technology/19.04.2023
Ms.S.Sangamithra, AP/CSE	Webinar on Open Innovative Challenges	SRM -Madurai College for Engineering and Technology/19.04.2023
Mrs.S.Venkata Lakshmi, AP/CSE	Webinar Open Innovation Challenge	SRM -Madurai College for Engineering and Technology/19.04.23
Mrs.R.Kirubahari, AP/CSE	Webinar Open Innovation Challenge	SRM -Madurai College for Engineering and Technology/19.04.23
Mrs.S.Maria Sobana, AP/CSE	Webinar on The Rising Startup Ecosystem in Tier 2 and Tier 3 cities and its Opportunities	SRM -Madurai College for Engineering and Technology/20.04.2023
Mrs.N.Gajalakshmi, ASP/CSE	Webinar on Global Applications using IOT in Digital Marketing	Chalapathi Institute of Engineering and Technology/20.04.2023
Dr.S.Subashini,	Webinar The Rising Startup	SRM -Madurai College for Engineering and

ASP/CSE	Ecosystem in Tier 2 and Tier 3 cities and its Opportunities	Technology,20.04.2023
Ms.S.Sangamithra, AP/CSE	Webinar on The Rising Startup Ecosystem in Tier 2 and Tier 3 cities and its Opportunities	SRM -Madurai College for Engineering and Technology/20.04.2023
Mrs.N.Gajalakshmi, ASP/CSE	Webinar on Global Applications using IOT in Digital Marketing	Chalapathi Institute of Engineering and Technology,24.03.2023
Dr.S.Subashini, ASP/CSE	Webinar - Awareness Program on Entrepreneurship Development Cell	SRM -Madurai College for Engineering and Technology 27.04.2023
Mrs.N.Gajalakshmi, ASP/CSE	Webinar on Metaverse	Chalapathi Institute of Engineering and Technology/27.04.2023
Mr.J.Sulthan Alikhan, AP(Sr.Gr)/CSE	FDP on introduction to Internet of things	NPTEL online certification/Jan-Apr 2023
Mr.M.Arulselvan, AP/CSE	Course training on computer networks and internet protocol	NPTEL online certification/Jan-Apr 2023
Mrs.D.Thangamari, AP/CSE	FDP on Ethical Hacking	NPTEL online certification/Jan-Apr 2023

Short term courses /seminar/symposium organized by the Department:

Date	Title	Details of Resource Person	No. of Participants
02.01.2023 to 23.01.2023	ICT Academy Youth Empowerment program on “A CSR initiative for Atos Prayas foundation”	Ms.V.Mathumathi, Trainer, ICT Academy.	53
02.01.23-23.01.23	Microsoft Atos Youth empowerment program “Microsoft Power BI Data Analyst”	Mr.Balachandar, Trainer, ICT Academy.	57
23.1.2023 to 31.01.2023	Soft skill training program for third year students	Mr.A.Bisvajeet, founder, Mercuzard training and services	121
31.1.2023 to 3.02.2023	5 days Aptitude training program for second year students	Mr.Murali, Founder and CEO, Connect training and solutions, Thirunelveli.	128
01.02.2023	TNSI 2023	Mr.R.Ramachandran, Field Coordinator -EDII, MKU Hub, Madurai.	78
06.02.2023-10.02.2023	Code Troubleshooting in JAVA	Prog-Tech Academy, Madurai.	69
17.02.2023	Entrepreneurship Awareness Talk on Promoting Startup Ideas	1.Dr.M.Umapathy, Director,CEDI, NIT, Trichy. 2.Mr. G. Krishnan,CEO& Resident Mentor, CEDI, NIT, Trichy.	80
13.3.23-24.03.23	Microsoft Philanthropy CSR on Cyber security	Mr.P.Ilangovan, Trainer, ICT Academy.	60
15.3.2023	IIC sponsored Expert talk on “Digital Marketing”	Mr.A.Sathish, IT anlyast, HCL	45
23.03.2023	Expert talk on “ Careers in management for CSE/IT Engineers”	Ms.M.NagaPushpa Rani, Mr.B.Hariharan, Product development manager, Balsu’sSuccessAcademy ,Madurai	80
24.3.2023	IIPC Sponsored "Personality Development Program"	Mr.A.Bisvajeet, founder, Mercuzard training and services	128

24.03.2023	Entrepreneurship Awareness Camp	1. Mr. T. Kannan, General Manager, District Industries Center(DIC),Sivagangai. 2.Mr.A.SivaAyyanan, Asst. Director, Industries & Commerce (Retd),Madurai. 3. Mr.R.Maheswaran,Rtd.- Engineering Teacher, Sivagangai.	80
27.03.2023	Women Entrepreneurship An Awareness on Innovation Voucher Program	1.Mrs. R. Tamil Selvi, MD- Tamil Foods, Virudhunagar. 2.Mr. R. Ramachandran, Field Coordinator, EDII -TN MKU Hub.	81
28.03.2023	Expert Talk on "Robotics"	Ms. Saranya Malaichamy Founder and CEO Blue Brain Robotics Pvt Ltd	50
29.3.2023	ISTE Expert talk on "Full stack web development program"	Mr.A.Sathish, IT anlalist, HCL	35

Staff Achievements/Recognition/ Honours

Name and Designation of the Staff Member	AchievementsofStaff/Recognition/ Honors	Date/Place
Dr.R.Lakshmi, ASP / CSE	World Scientist and University Rankings	AD scientific Index- Rankings for scientist 2023
Dr.R.Lakshmi, ASP / CSE	Reviewer	Journal of Information Science, 2023
Dr.R.Lakshmi, ASP / CSE	School Annual Day,Chief Guest British International School	02 04 / 2023

Guest Lectures / Expert Talks Organized

S. No	Name of the Speaker	Topic	Organization	Institution	Date
28.03.2023	Ms. Saranya Malaichamy Founder and CEO Blue Brain Robotics Pvt Ltd Madurai.	ROBOTICS	Blue Brain Robotics Pvt Ltd,Madurai.	KLNCE	28.03.2023

Extension Activities / Social Outreach

S. No	Activity	Department	Beneficiaries	Date
1	Entrepreneurship Awareness Talk on Promoting Startup Ideas	Entrepreneurship Development Cell (EDC) & Institution's Innovation Council(IIC)	50 STUDENT	1

NPTEL Online Certification Courses (Faculty Members)

Name of the Staff & Designation	Course Title	Course duration	Course conducted by	Award (Elite/Silver/Pass)
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Dr.R.Lakshmi	Fuzzy Sets, Logic and Systems and Applications	12 Weeks	NPTEL	Elite+Silver
Mr. J Sulthan Alikhan	Introduction to Internet of Things	12 Weeks	NPTEL	Elite+Silver
Mr. Arul Selvan	Computer Networks and Internet Protocol	12 Weeks	NPTEL	Elite
Mrs. D. Thangamari	Ethical Hacking	12 Weeks	NPTEL	Pass

Industry Collaboration / MoU

S.No.	Organization Name	Purpose of MoU	Department	Year
1	ICTACT	Student orientation programme	CSE	2023
2	Redhat	Student orientation programme	CSE	2023
3	Honeywell	Student orientation programme	CSE	2023
4	ICTACT	Student orientation programme	CSE	2023

14. NPTEL Online Certification Courses (Students)

S.No.	Name of the Student	Year	NPTEL Course Name	Duration	Award (Elite/Silver/Pass)
1	SUNDAR RAJAN D	III	Privacy and Security in Online Social Media	12 weeks	Elite
2	RITHIKA R	III	Affective Computing	12 weeks	Pass
3	SUNDAR RAJAN D	III	Cloud Computing	12 weeks	Elite
4	KISHORE KUMAR B P	III	Privacy and Security in Online Social Media	12 weeks	Elite
5	VIGNESH BABU B K	III	Cloud Computing	12 weeks	Elite
6	VISHNURANJAN V D	III	Cloud Computing	12 weeks	Elite
7	BARATH S S	III	Affective Computing	12 weeks	Pass
8	K HARIPRIYA	III	Affective Computing	12 weeks	Elite+Silver
9	JEYAKARTHIKA C S	III	Affective Computing	12 weeks	Elite
10	VISHNU VARDHAN K L	III	Cloud Computing	12 weeks	Elite+Silver
11	T S P KSHEERABDINATH	III	Affective Computing	12 weeks	Elite+Silver
12	ROOBAVANI P	II	Cloud Computing	12 weeks	Elite+Silver

13	UDHAYARANI K S	II	Cloud Computing	12 weeks	Elite+Silver
14	VAIRAJOTHI P	II	Privacy and Security in Online Social Media	12 weeks	Elite
15	YOGASRI J	II	Privacy and Security in Online Social Media	12 weeks	Elite
16	ABINAYA K	II	Privacy and Security in Online Social Media	12 weeks	Elite+Silver
17	ANUSIYA S	II	Privacy and Security in Online Social Media	12 weeks	Elite
18	ARINII M K	II	Privacy and Security in Online Social Media	12 weeks	Elite
19	NAVEEN RAJ P	II	Privacy and Security in Online Social Media	12 weeks	Elite
20	KISHORE KUMAR V G	II	Privacy and Security in Online Social Media	12 weeks	Elite
21	MOHANA BRINTHA R	II	Privacy and Security in Online Social Media	12 weeks	Elite
22	S A SHOBICA	II	Social Networks	12 weeks	Pass

Student Achievements (Competitions / Hackathons / Sports / Cultural)

S. No	Name of the student	Title of the event	Competition	Achievement / Prize	Organized by	Year
1	BARATH S S	TECH FEST 2K23	QUADRATHON	First Prize	K.L.N. College of Engineering, Sivagangai	III
2	HARIHARA VELAN K	TECHONICS "Shadow"	Hackathon	Second Prize	Sethu Institute of Technology, Virudhunagar	III
3	NIVETHA R S	Intra College Symposium	paper Presentation in 5G Technology	Third Prize	K.L.N. College of Engineering, Sivagangai	III
4	DHIVYA S	Intra College Symposium	poster Presentation in Eco Friendly	Third Prize	K.L.N. College of Engineering, Sivagangai	III

16.Industrial Visits

Year/Sem	Date	Industry Visited
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I Year / II	24.02.2023	Madurai Agribusiness Incubation Forum
III Year /VI	28.02.2023	Madurai Agribusiness Incubation Forum

DEPARTMENT OF INFORMATION TECHNOLOGY

Publications in International/National Journal

1. **Dr. G. Ramesh**, “Phishing Detection System Using Random Forest Algorithms”, International Journal of Research Trends and Innovation, Volume: 8, Issue: 4 (ISSN: 2456-3315), April 2023.
2. **Dr. J. S. Kanchana**, “3D Image Optimization using ADAM Algorithm”, International Research Journal of Modernization in Engineering Technology and Science, **Volume: 5, Issue: 4** (ISSN: 2582-5208), April 2023.
3. **Dr. J. S. Kanchana**, “Spam Detection Using Back Propagation Algorithm”, International Journal for Scientific Research & Development (ISSN: 2321-0613), Vol. 11, Issue 2, 2023.
4. **Dr. J. S. Kanchana**, “Efficient Multi Audio Visual Speech Recognition Using Parallel Wave GAN Based Scene Classifier”, International Journal of Research Trends and Innovation (ISSN: 2456-3315), Vol. 8, Issue 4, 2023.
5. **Dr. S. Ilangoan**, “Heart Disease Prediction Using K-Nearest Neighbour Algorithm”, International Journal for Scientific Research & Development (ISSN: 2321-0613), Vol. 11, Issue 2, 2023.
6. **Dr. S. Ilangoan**, “2D MRI Image Segmentation and Classification Using LSTM in RNN”, International Research Journal of Modernization in Engineering Technology and Science (ISSN: 2582-5208), Vol. 5, Issue 4, 2023.
7. **Mr. A. Selvaraj**, “Audio Profanity Detection and Reduction Using MLP”, International Journal of Science & Engineering Development Research (ISSN: 2455-2631), April 2023.
8. **Mr. A. Selvaraj**, “Train Delay Prediction using Support Vector Machine”, International Research Journal of Modernization in Engineering Technology and Science (ISSN: 2582-5208), April 2023.
9. **Mr. M. Satheesh Kumar**, “Enhancement of Secure Routing Protocol for Data Transmission in the Smart Environment”, International Journal of Science & Engineering Development Research (ISSN: 2455-2631), April 2023.
10. **Mrs. S. Vijayasharmila**, “Optical Character Recognition for Dyslexia”, International Research Journal of Modernization in Engineering Technology and Science (e-ISSN: 2582-5208), March 2023.
11. **Mrs. S. Vijayasharmila**, “IoT Based Smart Parking System”, International Journal for Research Trends and Innovation (ISSN: 2456-3315), Vol. 8, Issue 4, 2023.
12. **Mrs. S. Vijayasharmila**, “Rainfall Prediction using SVM and XGBoost Algorithm”, International Journal of Science & Engineering Development Research (ISSN: 2455-2631), April 2023.
13. **Mr. V. AravindaRajan**, “Genetic Algorithm Based Feature Selection for the Classification of Breast Masses in Mammograms”, International Journal of Research Trends and Innovation (ISSN: 2456-3315), April 2023.

14. **Mr. V. AravindaRajan**, “Forest Fire Prediction using Random Forest Regression Algorithm”, International Research Journal of Modernization in Engineering Technology and Science (ISSN: 2582-5208), March 2023.
15. **Mrs. S. Jeniba**, “Social Bot that Makes Audio Translated Video”, International Research Journal of Modernization in Engineering Technology and Science (ISSN: 2582-5208), April 2023.
16. **Mrs. S. Jeniba**, “Face Emotional Detection Using Machine Learning”, International Journal of Science & Engineering Development Research (ISSN: 2455-2631), April 2023.
17. **R. M. Suganya**, “Credit Card Fraud Detection Using GBC Algorithm”, International Journal of Science & Engineering Development Research (ISSN: 2582-5208), April 2023.
18. **T. T. Mathangi**, “Secure Medical Image Encryption and Decryption Using AES Algorithm”, International Journal of Science & Engineering Development Research (ISSN: 2582-5208), April 2023.
19. **T. T. Mathangi**, “Editing Process for Visually Impaired People using Voice Recognition”, International Research Journal of Modernization in Engineering Technology and Science (ISSN: 2455-2631), April 2023.
20. **N. Logamithra**, “Palm Vein Recognition using DWT Algorithm”, International Research Journal of Modernization in Engineering Technology and Science (ISSN: 2582-5208), March 2023.
21. **Mrs. P. Ramya**, “Crop Yield Prediction using Recurrent Neural Network”, International Research Journal of Modernization in Engineering Technology and Science (ISSN: 2582-5208), April 2023.
22. **Mrs. P. Ramya**, “Improving Lighting Efficiency for Traffic Road Network using IoT”, International Journal of Science & Engineering Development Research (ISSN: 2455-2631), April 2023.
23. **N. Vishnudevi**, “Healthcare Recommendation System Using ANN Algorithm”, International Journal of Science & Engineering Development Research (ISSN: 2455-2631), April 2023.
24. **V. Gayatri**, “Detection of Social Network Spam by using Naive Bayes Classification”, National Journal for Scientific Research & Development (ISSN: 2321-0613), April 2023.
25. **S. Dhivya**, “Stock Marketing Prediction Using Lasso Regression”, International Journal of Science & Engineering Development Research (ISSN: 2455-2631), April 2023.
26. **P. L. Subramanian**, “Assessing Cybersecurity Economic Risks in Virtual Power Plants Using Deep Learning”, International Research Journal of Modernization in Engineering Technology and Science (ISSN: 2582-5208), April 2023.

Books / Book Chapters Published

S.No	Name of The Author	Title of The Book	Chapter	Publisher	ISBN	Year
1.	Jeyalakshmi V Ramesh G Rajkumar	Efficient key management and key distribution for online learning		SECURE DATA MANAGEMENT FOR ONLINE LEARNING APPLICATIONS	978-1003264538	2023

Patents Filed / Published / Granted

S. No	Name of	Title of the Patent	Patent Number	Status	Granted	Year
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	the Inventor(s)			(Filed / Published)		
1.	Dr. P.Ganesh Kumar Professor & HOD	A method of automatically calibrating knowledge points of test questions	CN201911113466.1	Published	Yes	23-05- 2023
2.	Dr. P.Ganesh Kumar Professor & HOD	A Method of Mathematical Symbol Recognition Based on Contour Technology	CN201911113457.2	Published	Yes	10-01- 2023

Short term courses/seminar/symposium attended by the Faculty Members:

S.No	Name & Designation	Seminar / Workshop / Course Attended	Date	Organized By / Place
1	Dr. J.S. Kanchana, Professor / IT	Faculty Development Programme (FDP) in Entrepreneurship	03.04.23 – 15.04.23	Department of Science & Technology, Govt. of India, New Delhi
2	Dr. J.S. Kanchana, Professor / IT	Two Days Hands-on Workshop in Machine Learning	13.01.23 & 27.01.23	IETE, VLSI Lab / ECE Department
3	Mr. V. Aravinda Rajan, AP / IT	ISTE Sponsored Two-Day Workshop on Applications of Deep Learning Techniques in Image Retrieval	11.01.23 – 12.01.23	ISTE, Mangayarkarasi College of Engineering
4	Dr. J.S. Kanchana	Role of Assessment and Accreditation towards Improving the Quality of Education & NEP Implementation	08.02.23 – 10.02.23	IQAC & NAAC, Kamaraj College of Engineering & Technology
5	Mr. V. Aravinda Rajan, AP / IT	Applications of Deep Learning Techniques in Image Retrieval	11.01.23 – 12.01.23	ISTE, Mangayarkarasi College of Engineering
6	Mrs. S. Jeniba	Deep Learning Techniques in Image Retrieval	11.01.23 – 12.01.23	ISTE, Mangayarkarasi College of Engineering
7	Mr. V. Aravinda Rajan, AP / IT	International Workshop on Recent Trends in Semiconductor Devices / VLSI Chip Devices and Sensor Applications	23.01.23 – 27.01.23	SERB, KL University
8	Mr. V. Aravinda Rajan, AP / IT	Five Days FDP on Education 5.0	15.05.23 – 19.05.23	Dr. MGR Educational and Research Institute
9	Mr. V. Aravinda Rajan, AP / IT	Workshop on Embedded YOLO: Real-Time Object Detection for Standalone Applications	29.05.23	Skill-Lync
10	Mrs. S. Jeniba	JAVA as a Backend Development Language	24.05.2023	SRM Madurai College of Engineering & Technology
11	Mrs. S. Jeniba	2-Week FDP in Entrepreneurship	03.04.23 – 15.04.23	Department of Science & Technology
12	Mrs. S. Jeniba	National Level Virtual Workshop on Assessment & Accreditation for Quality Improvement	08.02.23 – 10.02.23	IQAC & NAAC, Kamaraj College of Engineering & Technology
13	Ms. R.M. Suganya, AP / IT	Webinar on JAVA as a Backend Development Language	24.05.2023	SRM Madurai College of Engineering & Technology
14	Mrs. T.T. Mathangi, AP / IT	Deep Learning Techniques in Image Retrieval	11.01.23 – 12.01.23	ISTE, Mangayarkarasi College of Engineering
15	Mrs. T.T. Mathangi, AP / IT	JAVA as a Backend Development Language	24.05.2023	SRM Madurai College of Engineering & Technology

16	Mrs. T.T. Mathangi, AP / IT	One Week FDP on Soft Computing Techniques in Engineering Applications	24.02.23 – 03.03.23	Self
17	Ms. R.M. Suganya, AP / IT	Workshop on Assessment & Accreditation for Quality Improvement	08.02.23 – 10.02.23	IQAC & NAAC, Kamaraj College of Engineering & Technology
18	Mrs. N. Logamithra, AP / IT	Deep Learning Techniques in Image Retrieval	11.01.23 – 12.01.23	ISTE, Mangayarkarasi College of Engineering
19	Mrs. N. Logamithra, AP / IT	One Week FDP on Soft Computing Techniques in Engineering Applications	24.02.23 – 03.03.23	Self
20	Mrs. N. Logamithra, AP / IT	JAVA as a Backend Development Language	24.05.2023	SRM Madurai College of Engineering & Technology
21	Mrs. N. Logamithra, AP / IT	National Level Virtual Workshop on Assessment & Accreditation	08.02.23 – 10.02.23	IQAC & NAAC, Kamaraj College of Engineering & Technology
22	Mrs. P. Ramya, AP / IT	FDP in Entrepreneurship	03.04.23 – 15.04.23	Center for Entrepreneurship
23	Mrs. P. Ramya, AP / IT	Assessment & Accreditation for Quality Improvement	08.02.23 – 10.02.23	Kamaraj College of Engineering & Technology
24	Mrs. P. Ramya, AP / IT	Amazon Web Services	22.02.23 – 27.02.23	AICTE, Aditya Engineering College
25	Mrs. N. Vishnu Devi, AP / IT	Digital Teaching Techniques	02.02.23 – 17.02.23	ICT Academy
26	Mrs. N. Vishnu Devi, AP / IT	FDP in Entrepreneurship	03.04.23 – 15.04.23	Department of Science & Technology
27	Mrs. N. Vishnu Devi, AP / IT	One Week FDP on Soft Computing Techniques	24.02.23 – 03.03.23	Self
28	Mrs. N. Vishnu Devi, AP / IT	Hands-on Workshop in Machine Learning	13.01.23 & 27.01.23	IETE, VLSI Lab / ECE
29	Mrs. N. Vishnu Devi, AP / IT	National Level Virtual Workshop on Assessment & Accreditation	08.02.23 – 10.02.23	IQAC & NAAC, Kamaraj College of Engineering & Technology
30	Mr. P.L. Subramanian, AP / IT	Fundamentals of Blockchain Technology	07.06.2023	A2Z EduLearning Hub LLP, India
31	Mr. P.L. Subramanian, AP / IT	JAVA as a Backend Development Language	24.05.2023	SRM College for Engineering & Technology, Madurai
32	Mrs. I. Muthu Meenatchi, AP / IT	JAVA as a Backend Development Language	24.05.2023	SRM Madurai College of Engineering & Technology
33	Mrs. K. Rani, AP / IT	Webinar – JAVA as a Backend Language	24.05.23	SRM Madurai College of Engineering & Technology
34	Mrs. S. Vijayasharmila, AP / IT	Hands-on Workshop in Machine Learning	13.01.23 & 27.01.23	IETE, VLSI Lab / ECE

Short term courses /seminar/symposium organized by the Department:

S.No	Name and Designation of the Faculty Member	Seminar/Workshop/Course Attended	Date/Place	Name and Designation of the Faculty Member	Seminar/Workshop/Course Attended
1	Current Trends about Data Science, Machine	Mr. Srikanth, Australia Consultant and Founder, IDSc, Madurai	30-01-2023	KLNCE	25 (Faculty)

	Learning and Artificial Intelligence	 D.Karsakulam, Tamil Nadu, India R5M5+FYC, D.Karsakulam, Tamil Nadu 630611, India Lat 9.836533° Long 78.163027° 30/01/23 02:38 PM			
2	Four Days Value Added Course on Cyber Security	Mr. Sankarraj Subramanian, Founder & CEO, Prompt Infotech, Coimbatore  Virudhunagar, Tamil Nadu, India Unnamed Road, Tamil Nadu 630611, India Lat 9.836278° Long 78.162834° 02/02/23 11:09 AM	30-01-2023 to 02-02-2023	PG Conference Hall / KLNCE	65 (IT Students)
3	One Day Workshop on Robotics	Er. M. Karthik Karuppu, Director, Profenaa Technologies, Madurai  Sivaganga, Tamil Nadu, India R5P7+C5C, Tamil Nadu 630611, India Lat 9.836104° Long 78.163018° 28/03/23 02:13 PM GMT +05:30	28-03-2023	IT MPMC Lab	65 (Students)
4	Two Days Value Added Course on Cyber Security	Mr. Sankarraj Subramanian, Founder & CEO, Prompt Infotech, Coimbatore  Sivaganga, Tamil Nadu, India Unnamed Road, Tamil Nadu 630611, India Lat 9.836542° Long 78.163031° 08/05/23 12:40 PM	08-05-2023 & 09-05-2023	IT FOSS Lab	91 (Students)
5	Two Days Core Competency Program on Data Analytics using TABLEAU	Ms. Indhumathi Gunasekaran, Data Analyst, Accenture, Chennai	12-04-2023 & 13-04-2023	IT FOSS Lab	72 (Students)

6	Five Days Placement Training on JAVA	Mr. S. Rajendran, CEO & Founder, Silicon Software Services, Madurai 	18-01-2023 to 21-01-2023 & 23-01-2023	IT FOSS Lab	53 (Students)
7	Four Days Aptitude Training	Mr. N. Gururajan, Consultant cum Trainer 	18-01-2023 to 21-01-2023	Smart Meeting Hall	60 (Students)

Guest Lectures / Expert Talks Organized (Jan – June 2023)

S. No	Name of the Speaker	Topic	Organization	Institution	Date
	Satheeshkumar M. Aravinda Rajan V	Expert Talk on Current Trends about Data Science, Artificial Intelligence & Machine Learning.	Mr.P.N. Srikanth-Australian Consultant & Founder, Mr.K.R.Sundar-Co-Founder, IDSc-Madurai		30-01-2023

NPTEL Online Certification Courses (Faculty Members)

Name of the Staff & Designation	Course Title	Course duration	Course conducted by	Award (Elite/Silver/Pass)
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Mr.A.Selvaraj, AP(Sr.Gr)/IT	Introduction to Machine Learning	Jan-March 2023	-	Elite + Silver
Dr. G. Ramesh, Prof /IT	Design and analysis of algorithms	Jan-Mar 2023	-	Successfully Completed

Industry Collaboration /MoU

S.No.	Organization Name	Purpose of MoU	Department	Year
1.	Honeywell Technology Solutions, Madurai.	Internship and Value Added Course and Technology transfer	IT	2016-2019 Extended 207
2.	Prompt Infotech, Coimbatore.	Internship and Value Added Course and Technology transfer	IT	2023 to 2026 (3 Years)

Student / Faculty Project Details (Mapped with SDG Goals)

S. No	Title of the Project	Name of Student(s) / Faculty	Guide / Supervisor	Brief Description	Mapped with SDG Goal	Year
Nil						

NPTEL Online Certification Courses (Students):

Sl.No	Roll Number	Year	Name of the Students	Name of the Course	Duration	Consolidated Score
1	205301	III	M. Lakshmanan	Privacy and Security in Social Media	Jan-Apr 2023	57%(Successfully Completed)
2	205104	III	G.V.Akash	Privacy and Security in Social Media	Jan-Apr 2023	70%(Elite+ Silver)
3	205031	III	J.Aadhithiya	Privacy and Security in Social Media	Jan-Apr 2023	60%(Elite)
4	205305	III	B.Koushik Raja	Privacy and Security in Social Media	Jan-Apr 2023	53% (Successfully Completed)
5	205017	III	R.S.AkashKannan	Privacy and Security in Social Media	Jan-Apr 2023	53% Successfully Completed)
6	205009	III	T.V.Gowtham	Privacy and Security in Social Media	Jan-Apr 2023	64%(Elite)
7	205037	III	R.ArunPandi	Privacy and Security in Social Media	Jan-Apr 2023	66%(Elite)
8	205020	III	R.Manikantan	Privacy and Security in Social Media	Jan-Apr 2023	60%(Elite)
9	205030	III	K.Madhunisha	Privacy and Security in Social Media	Jan-Apr 2023	60%(Elite)
10	205023	III	V.Harini	Privacy and Security in Social Media	Jan-Apr 2023	69%(Elite)
11	205028	III	T.G.Karthikayini	Privacy and Security in Social Media	Jan-Mar 2023	64%(Elite)
12	205029	III	R.AbigailKezia	Privacy and Security in Social Media	Jan-Apr 2023	53% (Successfully Completed)
13	205001	III	A.Monikka	Privacy and Security in Social Media	Jan-Apr 2023	64% (Elite)
14	205301	III	T.G.Mahalakshmi	Privacy and Security in Social Media	Jan-Apr 2023	67% (Elite)
15	205016	III	M.Kanga Lakshmi	Privacy and Security in Social Media	Jan-Apr 2023	53% (Successfully Completed)

16	205309	III	T.Monika	Privacy and Security in Social Media	Jan-Apr 2023	58% (Sucessfully Completed)
17	205026	III	R. Elavarasi	Privacy and Security in Social Media	Jan-Apr 2023	65% (Elite)
18	205109	III	R.P.JeevanLal	Privacy and Security in Social Media	Jan-Apr 2023	66% (Elite)
19	205304	III	A.MohammedNiyas	Privacy and Security in Social Media	Jan-Apr 2023	52% (Sucessfully Completed)
20	205023	III	V.Harini	Introduction to Internet of Things	Jan-Apr 2023	57% (Sucessfully Completed)
21	205102	III	A.S.Balaji	Big Data Computing	Aug-Oct 2022	66%(Elite)
22	215330	II	Sameer Ahmed Khan.I	Privacy and Security in online Social Media	Jan-Apr 2023	69%(Elite)
23	215336	II	Nagammai S	Privacy and Security in online Social Media	Jan-Apr 2023	67%(Elite)
24	215005	II	Nivetha. M	Privacy and Security in online Social Media	Jan-Apr 2023	61%(Elite)
25	215039	II	Yoheswaran R G	Data Analytics with Python	Jan-Apr 2023	64%(Elite)
26	215341	II	NitishKanna V	Data Analytics with Python	Jan-Apr 2023	61%(Elite)
27	215035	II	Anbarasi K	Privacy and Security in online Social Media	Jan-Apr 2023	60%(Elite)
28	215041	II	Shamli S	Privacy and Security in online Social Media	Jan-Apr 2023	63%(Elite)
29	215021	II	Dharshini K	Privacy and Security in online Social Media	Jan-Apr 2023	60%(Elite)
30	215325	II	Yogalakshmi V	Privacy and Security in online Social Media	Jan-Apr 2023	60%(Elite)
31	215032	II	Gayathri P	Introduction to Internet of Things	Jan-Apr-2023	60%(Elite)
32	215103	II	Madhurusha V B	Privacy and Security in online Social Media	Jan-Apr-2023	69%(Elite)
33	215332	II	Harini S	Privacy and Security in online Social Media	Jan-Apr-2023	65%(Elite)
34	215107	II	Meenadharshini R S	Privacy and Security in online Social Media	Jan-Apr-2023	63%(Elite)
35	215010	II	IshrathMashuda M	Privacy and Security in online Social Media	Jan-Apr-2023	63%(Elite)
36	215013	II	Dhanush. R	The Joy of Computing using Python	Jan-Apr-2023	73%(Elite)
37	215337	II	Jones S	The Joy of Computing using Python	Jan-Apr-2023	83%(Elite + Silver)
38	215318	II	Hanish Ram B	The Joy of Computing using	Jan-Apr-2023	70%(Elite)

				Python		
39	215312	II	Sankavi S R	Privacy and Security in online Social Media	Jan-Apr-2023	53%(Successfully Completed)
40	215324	II	Vallimayil R	Privacy and Security in online Social Media	Jan-Apr-2023	66%(Elite)

Student Achievements (Competitions / Hackathons / Sports / Cultural)

S. No	Name of the student	Title of the event	Competition	Achievement / Prize	Organized by	Year
	Karthikeyan VG	Hindusthan Innovation Contest (HIC)	National	Third Prize	HINDUSTHAN INSTITUTE OF TECHNOLOGY	23-2-2023 & 24-02-2023
	Deepan V					
	Deepak V					
	Mohammed Niyas A	HACKATHON'23(STAR TUP TN)	National	Third Prize	JEEPIA AR Engineering College	27-4-2023 & 28-4-2023
	Deepan V					
	Deepak V					
	Aadhithya J					
	Koushick Raja B	(MICRO ZOOM ZONE) STARTUP TENKASI	State	Third Prize	ESTONIA OF INDIA BY 2022, TENKASI	12.03.2023
	GayathreRanga Sri R					
	Krithigavars hini AK					
	Dhanush.R	Techonics	State	Second Prize	Sethu Institute of Technology	24.1.2023 & 25.1.2023
	Hanish Ram B					
	Jones S					
	V. Ruban Kumar	Cricket ,Zonal Tournaments 2022-23	State	1 st Prize	Anna University Sports Board, Chennai	2.2.2023 To 6-2-2023

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (CYBER SECURITY)

Publications in International/National Journal

1. J.S. Kanchana, Vinod T H, Venkatesh T, "3D Image Optimization using ADAM Algorithm", International Research Journal of Modernization in Engineering Technology and Science, ISSN:2582-5208, Issue 5 April 2023
2. J.S. Kanchana, T.K.K. Harsika, S. Jothy Shivani, K. Preethi, "Spam Detection Using Back Propagation Algorithm", International Journal for Scientific Research & Development, ISSN: 2321-0613, Volume 11, Issue 2, April 2023
3. J.S. Kanchana, R. Ajay Ganesh, G. Barath Kumar, B. Akash, R. Arunesh, "Efficient Multi Audio Visual Speech Recognition Using Parallel Wave Gan Based Scene Classifier", International Journal of Research Trends and Innovation, ISSN 2456-3315, Volume 8, Issued 4 April 2023

DEPARTMENT OF MATHEMATICS

Short term courses /seminar/symposium organized by the Department:

Date	Title	Details of Resource Person	No.of Participants	Co-ordinator	Photo
21.01.2023	Founder's day Celebration – Online Quiz Competition	---	139 students of various school students	Dr.J.K.Subashini/Prof/HOD Dr.R.Selvarani/ASP2/ Maths Dr.S.Sabrinathan/ASP2/ Maths Mrs.R.Kalaiselvi/AP2/Maths Mrs.R.Usha/AP2/ Maths Mr.G.Pushparajan/AP2/ Maths Mrs.M.Jeyalakshmi/AP2/ Maths Mr.V.Anath/AP2/Maths	
25.01.23	One day “Intra College Technical Symposium Math Buzz – A Big Quiz		135 students in preliminary quiz 14 students in Final quiz contest	Dr.J.K.Subashini/Prof/HOD Mrs. R. Kalaiselvi/AP & Mrs. R. Usha/AP Mathematics	

Staff Achievements/Recognition /Honours

Name and Designation of the Staff Member	Achievements of Staff/Recognition/ Honors	Date/Place
Dr.J.K.Subashini Prof/HOD	Intra College Symposium / Convener	25.01.2023/KLNCE
	Women's Day Celebration/ Chief Guest	08.03.2023/ K.L.N College of Arts & Science

NPTEL Online Certification Courses (Faculty Members)

Name of the Staff & Designation	Course Title	Course duration	Course conducted by	Award (Elite/Silver/Pass)
Mrs.M.Jeyalakshmi/AP2/Maths	Fuzzy sets, Logic and Systems & Applications	Jan-Apr 2023	IIT Kharagpur	Gold &Elite
Mrs.M.NancyFemila /AP2/Maths	Probability & Statistics	Jan-Apr 2023	IIT Kharagpur	Elite
Mrs.K.Sathyabama /AP2/Maths	Probability & Statistics	Jan-Apr 2023	IIT Kharagpur	Successfully completed
Mrs.R.Usha/ AP2/Maths	Probability & Statistics	Jan-Apr 2023	IIT Kharagpur	Elite

Student Achievements (Competitions / Hackathons / Sports / Cultural)

S. No	Name of the student	Title of the event	Competition	Achievement / Prize	Organized by	Year
1	Arinii.M.K	One day “Intra College Technical Symposium	Quiz Contest	I	KLNCESHA & IIC-KLNCE	I
2	Hamsavidhya T H					I
3	P.V.Y.Dhanushkumaran			II		I
4	Daniel Gladwin W					I
5	N. R. G. Laksitha			III		I
6	Dharshini S					I

DEPARTMENT OF PHYSICS

Publications in International/National Journal

Dr. N.R. Ramanujam, “Teeth segmentation by optical radiographic images using VGG-16 deep learning convolution architecture with R-CNN network approach for biomedical sensing applications”, *Optical and Quantum Electronics*, June 2023.

NPTEL Online Certification Courses (Faculty Members)

Name of the Staff & Designation	Course Title	Course duration	Course conducted by	Award (Elite/Silver/Pass)
M.Manjuladevi, AP2/Physics	Biohotonics	12 Weeks	IIT, Chennai	Elite
Ms.T.K. JothiPriya, AP2/Physics	Biohotonics	12 Weeks	IIT, Chennai	Pass

DEPARTMENT OF CHEMISTRY

Publications in International/National Journal

B. Tamil Selvi, D.S.Bhuvaneshwari, P.Karuppasamy, S.Padmavathy, .Nikhil, SurendraBoppanahaliSiddegowda, and H.C.Ananda Murthy “Investigation of corrosion inhibition of mild steel in 0.5M H₂SO₄ with Lachanceafermentati inhibitor extracted from rotten grapefruits (vitisvinifera): Adsorption, Thermodynamic, Electrochemical, and Quantum chemical studies”, *ACS Physical Chemistry*, **2023**, ISSN-2694-2445, (ACS Publication, Scopus & SCI Indexed)

Short term courses/seminar/symposium attended by the Faculty Members:

Name and Designation of the Faculty Member	Seminar/Workshop/Course Attended	Date/Place
Dr.B.Tamilselvi, AP	National Webinar on Environmental remediation	28 th February 2023/PSYEC, Sivagangai
Mrs.R. Iswarya, AP	Thozhil Seya Virumbu	08 th March 2023/Horticultural College and Research institute, Periyakulam
Mrs.R. Iswarya, AP	Awareness Program on ISTE	13 th April 2023/SRM Madurai
Mrs.R. Iswarya, AP	The Rising Startup Ecosystem in Tier2 and Tier 3 cities and its Opportunities	20 th April 2023/SRM Madurai
Dr.B.Tamilselvi, AP	Webinar on The Rising Startup Ecosystem in Tier 2 and Tier 3 cities and its Opportunities	20 th April 2023/SRM Madurai
Mrs.R. Iswarya, AP	Solar Eruptions	12 th May 2023/SRM Madurai
Mrs.R.Seethalakshmi, AP		
Mrs.R. Iswarya, AP	ISHARE Students chapter-An Awareness to Faculty member	13 th May 2023/SRM Madurai
Dr.B.Tamilselvi, AP		
Mrs.R.Seethalakshmi, AP	You are not sick, You are thirsty”	26 th May 2023/SRM Madurai
Dr.B.Tamilselvi, AP	Online webinar on “You are not sick, You are thirsty”	26 th May 2023/SRM Madurai
Mrs.R. Iswarya, AP	Modernization and its Environmental Concerns	29 th May 2023/SRM Madurai
Dr.B.Tamilselvi, AP	Webinar on Modernization and its Environmental Concerns	29 th may 2023/ SRM Madurai
Mrs.R. Iswarya, AP	Renewable Energy Resources	31 th May 2023/SRM Madurai

Mrs.O.D. Shakila,HOD/ASP		
Mrs.R.Seethalakshmi,AP	Energy Resources	31 th May 2023/SRM Madurai
Mrs.R.Seethalakshmi,AP	Orientation programme on SIP	31 th May 2023/SRM Madurai
Mrs.R.Niraimathi,AP	Renewable Energy Resources	31 th May 2023/SRM Madurai
Mrs.T.Kartheeswari,AP		
Dr.B.Tamilselvi,AP	Online seminar on “Orientation Programme on Student Induction Program (SIP)- Part I”	31 th May 2023/SRM Madurai
Dr.B.Tamilselvi,AP	Webinar on Renewable Energy Resources	31 th May 2023/SRM Madurai
Mrs.O.D. Shakila,HOD/ASP	Two wheeler Safety System	06 th June 2023/SRM Madurai
Mrs.R. Iswarya,AP		
Mrs.R.Seethalakshmi,AP		
Mrs.R.Seethalakshmi,AP		
Mrs.R.Niraimathi,AP		
Mrs.T.Kartheeswari,AP		
Dr.B.Tamilselvi,AP	Online webinar on “Two Wheeler safety System”	06 th June 2023/SRM Madurai
Mrs.O.D. Shakila,HOD/ASP	Corrosion studies	09 th June 2023/SRM Madurai
Mrs.R. Iswarya,AP		
Mrs.R.Seethalakshmi,AP		
Mrs.T.Kartheeswari,AP		
Mrs.R.Niraimathi,AP		
Mrs.R. Iswarya,AP	Lean management on supplies	16 th June 2023/SRM Madurai
Mrs.R.Seethalakshmi,AP		
Dr.B.Tamilselvi,AP	Online webinar on “Lean Management on supplies”	16 th June 2023/SRM Madurai
Mrs.R.Seethalakshmi,AP	Optoelectronic Devices and materials: Trend and perspective	24 th June 2023/SRM Madurai

MASTER OF BUSINESS ADMINISTRATION

Publications in International/National Journal

B.Shanthi & T.ShobanaDevi – “A Successful Transformation of Digital Business after the Pandemic”
Published in Journal of the Oriental Institute ISSN: 0030-5324. Volume-72, Issue.01, No.3, January-March 2023

Short term courses/seminar/symposium attended by the Faculty Members:

Name and Designation of the Faculty Member	Seminar/Workshop/Course Attended	Date/Place
B.Shanthi & M.Krishnaveni	Plagiarism - Importance, Consequence and How to avoid	International Webinar at Theivanai Ammal College for Women (Autonomous), Villupuram & 08.03.2023
B.Shanthi & T.ShobanaDevi M.Krishnaveni S.P.Nandhini	Business Intelligence Using Power BI	Two days' Workshop at Skill Nation, Thane, Maharashtra 20.05.2023 & 21.05.2023
B.Shanthi	Financial Performance Analysis	Webinar organized by McGraw Hill Education 01.06.2023
B.Shanthi & T.ShobanaDevi	Research Trends and Research Issues in IT	Five Days FDP at E.S.Arts and Science college, Villupuram 29.05.2023 to 02.06.2023
S.P.Nandhini	Data Analytics using Power BI with End to End project	One day Workshop on Tech Tip 24.06.2023
B.Shanthi & T.ShobanaDevi	Innovative Teaching & learning	Five Days FDP at Research

	Pedagogy	Foundation of India & RFI-CARE26.06.2023 to 30.06.2023
Dr.R.S.Balasenthil	Microsoft Power BI Data Analyst Associate	Five Days FDP at PSNA College of Engineering and Technology, Dindigul26.06.2023 to 01.07.2023
B.Shanthi&T.ShobanaDevi M.Krishnaveni S.P.Nandhini	Business Intelligence Using Power BI	Two days' Workshop at Skill Nation, Thane, Maharashtra 20.05.2023 &21.05.2023
B.Shanthi	Financial Performance Analysis	Webinar organized by McGraw Hill Education01.06.2023
B.Shanthi&T.ShobanaDevi	Research Trends and Research Issues in IT	Five Days FDP at E.S.Arts and Science College,Villupuram29.05.2023 to 02.06.2023
S.P.Nandhini	Data Analytics using Power BI with End to End project	One day Workshop on Tech Tip 2418.06.2023
B.Shanthi&T.ShobanaDevi	Innovative Teaching & learning Pedagogy	Five Days FDP at Research Foundation of India & RFI-CARE26.06.2023 to 30.06.2023
Dr.R.S.Balasenthil	Microsoft Power BI Data Analyst Associate	Five Days FDP at PSNA College of Engineering and Technology, Dindigul26.06.2023 to 01.07.2023

Short term courses /seminar/symposium organized by the Department:

Date	Title	Detailsof ResourcePerson	No.of Participants
02.01.2023 to 04.01.2023	Value Added Course "INBOUND MARKETING"	Mrs.Shiney Meshach Regional Director Brand Monk academy	57 Students
27.02.2023 to 10.03.2023	Value Added course ERP – Functional Consultant – Finance & Control	Mr.G.A.Saravanan Infotech solution	17 Students

Guest Lectures / Expert Talks Organized

S. No	Name of the Speaker	Topic	Organization	Institution	Date
1.	Mr.T.Ganeshkumar JIO Manager	Training Programme "JIO Training"	Jio Telecom – Team Member		05.01.2023
2.	Dr.S.Jayarani Danapal,Associate Professor The American College	Competency Development Programme "Intellectual Property Rights"		Associate Professor The American college	09.01.2023
3.	Mr.Rozario Corporate Trainer	Industrial Training "Placed in Jaya Shree Spund Bound"	Corporate Trainer NGO		27.02.2023
4.	Mr.A.Ajoy Director Strategic Initiatives Edumistic Learning	Expert Talk "Carrier Opportunity in Logistic and Supply Chain Management"	Strategic Initiatives Edumistic Learning	Yes	07.03.2023
5.	Mr.P.Selvaraj Branch Manager Zebu Share	Campus Placement Drive "Zebu Share and Wealth Private Ltd.,	Zebu Share		15.03.2023
6.	Mr.M.Pragalathan Vignesh Auro Lab	Campus Placement Drive "Auro Lab"	Auro Lab		31.03.2023
7.	Mr.R.Udhaya Kumar Founder V.R. Education	Competency Development Programme " Identification of Training Need"		V.R. Education Institution Training	05.04.2023

	Institution Training Academy			Academy	
8.	Mr.K.Vishwaharsan Associate consultant –SAP /BPC	Competency Development Programme “ Career Planning and Choice”	Associate consultant –SAP /BPC		26.04.2023

Industry Collaboration / MoU

S.No.	Organization Name	Purpose of MoU	Department	Year
1.	ZOHO	To train Zoho Enterprise applications	MBA	03.05.2023



Student Achievements (Competitions / Hackathons / Sports / Cultural)

S. No	Name of the student	Title of the event	Competition	Achievement / Prize	Organized by	Year
1.	Rahul Singh RajPurohit P	Govt.of Tamil Nadu Entrepreneurship Development & Innovation Institute. “Entrepreneurship Development Programme”	24.03.2023	Participated	TN ED&II	I
	Kumaresh K B			Participated		
	Muneeswaran K			Participated		
	Muthu Selvam V			Participated		
	Shivakshan MRV			Participated		
2.	Shivakshan MRV	KLN College of Engg.(EDC) in Assoc. with EDII-TN & DISTRICT INDUSTRIAL CENTRE-SVGA “Entrepreneurship Awareness Camp”	24.03.2023	Participated	KLNCE	I
	Rahul Singh RajPurohit P			Participated		
	Muthu Selvam V			Participated		
	Muneeswaran K			Participated		
	Kumaresh K B			Participated		
3.	Suvetha B	KLN College of Engineering(EDC) in Assoc. with EDII-TN & MKU EDII-TN-HUB WOMEN ENTREPRENEURS HIP-An Awareness on Innovation Voucher Program	27.03.2023	Participated	KLNCE	I
	Sneha P G			Participated		
	Suba Devi J			Participated		
	Shankari N			Participated		
	Gayathri S			Participated		
	Charu Naga Shri N S			Participated		
	Kiruthiga Maai C S			Participated		
	Dhivya Shree T S			Participated		
	Sharmila R			Participated		
	Bhavadarani K			Participated		
	Vishali K J			Participated		
	Aathiishwarya B			Participated		
	Mithila K S			Participated		
	Rakshana A			Participated		

	Rithika P			Participated		
	Anisha Shirin H			Participated		
	Varsha Sri K S			Participated		
	Sneha A			Participated		
4.	Rahul Singh	PSNA College of Engineering & Technology, Dept.of Management Studies, "VENATIO 2K23"	20.04.2023	1 st Prize	PSNA College	I
	RajPurohit P			2 nd Prize		
	Sasikumar S			2 nd Prize		
	Riyas Ahamed S			2 nd Prize		
	Jayaram N			2 nd Prize		
	Nicson I			2 nd Prize		
	Lokesh Babu N R S			Participated		
	Vinothkumar C J			Participated		
	Manojkumar S			Participated		
	Praveenkumar T K			Participated		
	Mahin S			Participated		
	Gokulnath K S			Participated		
	Nantha Perumal S			Participated		
5.	Suvetha B	NELLA Refined Rice Bran Oil – Nella Promotion Campaign from Vaighai Agro Products Ltd. Certificate of Appreciation	03.& 04.06.2023	Participated	NELLA	I
	Varsha Sri K S			Participated		
	Sneka P G			Participated		
	Suryakumar T J			Participated		
	Nantha Perumal S			Participated		
	Srivaksan MRV			Participated		

CORPORATE SOCIAL RESPONSIBILITY ACTIVITIES

Sl.No	EXTENSION ACTIVITIES	BENEFICIARY	DATE
1.	Grocery Distribution at Vallalar Old Age Home "Founders day Celebration"	Vallalar Old Age Home, Anupanadi, Madurai	17.02.2023



MASTER OF COMPUTER APPLICATION

Short term courses / seminar / symposium attended by the Faculty Members:

Name and Designation of the Faculty Member	Seminar/Workshop/Course Attended	Date/Place
Mr PL. Subramanian	Application of deep learning techniques in image retrieval	11.01.2023 and 12.02.2023, ISTE Tamilnadu, Organized By angayarkarasi College Of Engineering
Mr. PL. Subramanian	Emotional Intelligence	28.01.2023, K.L.N. College of Engineering

Staff Achievements/Recognition/ Honours

Name and Designation of the Staff Member	Achievements of Staff/Recognition/ Honors	Date/Place
Dr M R Ilango	External Academic Audit	09.03.2023, PSNA College of Engineering
Dr C Ashok Baburaj	BOS Meeting	04.02.2023, Sourashtra College
Dr C Ashok Baburaj	Doctorial Committee Meeting	17.03.2023, Doctorial Committee Meeting, M.K.University
Mr R Somaskandan	Obtained 78379 th Rank in World Scientist and University Rankings	26.05.2026, Published

Guest Lectures / Expert Talks Organized

S. No	Name of the Speaker	Topic	Organization	Institution	Date
1	S.Srinivasan	Aga Oli	Mind Care Centre, Tenkasi	KLNCE	09.01.2023

NPTEL Online Certification Courses (Students)

S.No.	Name of the Student	Year	NPTEL Course Name	Duration	Award (Elite/Silver/Pass)
1	B.K Karthika	II	Data Analytics with PYTHON	Jan'2023 to June'2023	ELITE
2	, S.Kavidhaarani	II	Data Analytics with PYTHON	Jan'2023 to June'2023	ELITE
3	V.Nandhini	II	Data Analytics with PYTHON	Jan'2023 to June'2023	ELITE
4	S.Kriuthigasri	II	Data Analytics with PYTHON	Jan'2023 to June'2023	ELITE
5	S.S.Veeraraghavan	II	Programming in JAVA	Jan'2023 to June'2023	ELITE
6	K.Palaniappan	II	Programming in JAVA	Jan'2023 to June'2023	ELITE
7	K.P.Roshini	II	Programming in JAVA	Jan'2023 to June'2023	ELITE
8	K.P.Kalimuthu	II	Programming in JAVA	Jan'2023 to June'2023	ELITE
9	R.Thejasvani	II	Programming in JAVA	Jan'2023 to June'2023	ELITE
10	.Arjunan	II	Programming in JAVA	Jan'2023 to June'2023	ELITE
11	G.Umashankari	II	Programming in JAVA	Jan'2023 to June'2023	ELITE
12	B.K.Sethu	II	Programming in JAVA	Jan'2023 to June'2023	ELITE
13	J.S.Vivek	II	Introduction to Internet of Things	Jan'2023 to June'2023	ELITE

Industrial Visits

Year/Sem	Date	Industry Visited
II/III	19.06.2023	Keeladi (an archeological site)

