

S.A. ENGINEERING COLLEGE, CHENNAI – 600077
(An Autonomous Institution, Affiliated to Anna University)

JOURNAL PUBLICATIONS OF FACULTY – ECE

ACADEMIC YEAR: 2022-2023

S. NO.	NAME OF THE FACULTY WITH DESIGNATION	TITLE OF PAPER	JOURNAL NAME / PUBLISHER	YEAR, ISSUE, VOLUME, PAGE NO.	INDEXED DETAILS
1	Dr.B.R.Tapas Babu Professor	Electromagnetic interference shielding behavior of flexible PVA composite of tunicated onion bulb biochar/Co/carbon fiber shielding composite: effects on X and Ku band frequencies	Biomass Conversion and Biorefinery / Springer Publisher	4/11/2022 Volume: 13 Issue: 3 1-8	SCIE INDEXED doi.org/10.1007/s13399-022-03489-8
2	Dr.B.R.Tapas Babu Professor	Role of carbonaceous fillers in electromagnetic interference shielding behavior of polymeric composites: A review	Polymer Composites / Wiley Publisher	2/9/2022 Vol 43 Issue 11 Pages 7701-7723	SCIE INDEXED DOI: 10.1002/pc.27009
3	Dr.B.R.Tapas Babu Professor	A Deep-DrpXML and IAG-GWO based CHST fostered blockchain technology for secured dynamic optimal routing for wireless sensor networks	Journal of Intelligent & Fuzzy Systems / SAGE Publisher	11/11/2022 vol. 43, No. 6, pp.7525-7543	SCIE INDEXED DOI: 10.3233/JIFS-212455
4	Dr.B.R.Tapas Babu Professor	Block chain based Light-weight Authentication Approach for a Multiple Wireless Sensor Network	IETE Journal of Research / Taylor and Francis Publisher	19/12/2022 Volume 70 Issue 2 Pages 1480-1494	SCIE INDEXED doi.org/10.1080/0772063.2022.2154710
5	Dr.B.R.Tapas Babu Professor	Modified Adhoc On-Demand Distance Vector for Trust Evaluation And Attack Detection	Intelligent Automation & Soft Computing / Tech Science Press	01/2023 Vol.36, No.2	SCIE INDEXED DOI: 10.32604/iasc.2023.025752

6	Dr.B.R.Tapas Babu Professor	Evolutionary gravitational Neocognitron neural network based differential spatial modulation detection scheme for uplink multiple user huge MIMO systems	Knowledge Based Systems / Science Direct Publisher	22/12/2022 Volume 258, 109993	SCIE INDEXED doi.org/10.1016/j.knosys.2022.109993
7	Dr.B.R.Tapas Babu Professor	GAMAN – Genetic Algorithm in Mobile Adhoc Networks for Creating Systematic QoS	ECS Transactions / IOP Science Publishers	2022 Volume 107, Number 1	SCOPUS INDEXED DOI: 10.1149/10701.3599ecst
8	Dr.C. Arunachalaperumal Professor	A hybrid technique employed for efficiency improvement of tandem perovskite solar cell	Progress In Photovoltaics / Wiley Publisher	7/8/2022 Volume 31 Issue 2 February 2023 Pages 93-112	SCIE INDEXED DOI: 10.1002/pip.3610
9	Dr.C. Arunachalaperumal Professor	Smart building evacuation system with hybrid network based CNC-Architecture	Journal of Ambient Intelligence and Smart Environments / SAGE Publisher	13/7/2022 Volume 14 Issue 4 pp. 1-13	SCIE INDEXED DOI: 10.3233/AIS-210427
10	Dr.G Kavya Professor	Dysgraphia disorder forecasting and classification technique using intelligent deep learning approaches	Progress in Neuro-Psychopharmacology and Biological Psychiatry / Science Direct Publisher	23/01/23 Volume 120, 10 January 2023, 110647	SCIE INDEXED DOI: 10.1016/j.pnpbp.2022.110647
11	Dr.R. Radhika Professor	Dual-Absorber Thin-Film Solar Cell: A High-efficiency Design	Physica status solidi / Wiley Publisher	21/2/23 Volume 220, Issue 9	SCIE INDEXED https://doi.org/10.1002/pssa.202200761
12	Dr.R. Radhika Professor	A Feasible Multimodal Photoacoustic Imaging Approach for Evaluating the Clinical Symptoms of Inflammatory Arthritis	BioMed Research International / Hindawi Publisher	21/8/2022 Volume 2022, 12 pages	SCIE INDEXED doi.org/10.1155/2022/7358575

13	Dr.R. Radhika Professor	Implementation of Machine Learning Mechanism for Recognizing Prostate Cancer through Photoacoustic Signal	Contrast Media & Molecular Imaging / Hindawi Publisher	20/9/2022 Volume 2022, 13 pages	SCIE INDEXED doi.org/10.1155/2022/6862083
14	Dr.R. Radhika Professor	Implementation of Solar Heat Energy and Adsorption Cooling Mechanism for Milk Pasteurization Application	Adsorption Science & Technology / Hindawi Publisher	11/10/2022 Volume 2022, 13 pages	SCIE INDEXED https://doi.org/1.1155/2022/51259 31
15	Dr.R. Radhika Professor	Design of all pass make over based capricious digital filter using eminent speed dual carry select adder and truncation and rounding approximate multiplier for image processing application	Concurrency and Computation Practice and Experience / Wiley Publisher	2/1/2023 Volume35, Issue 6 Page 1	SCIE INDEXED DOI: 10.1002/cpe.7575
16	Dr.R.Radhika Professor	Co-directional waveguide grating coupler transmission and reflection dispersion characteristics performance	Journal of Optical Communications / De Gruyter Publisher	28/3/2023	SCOPUS INDEXED https://doi.org/10.1515/joc-2023-0014
17	Dr.R.Radhika Professor	Integrated optics based on electro optic modulators for long distance links and high bit rate communication	Journal of Optical Communications / De Gruyter Publisher	28/3/2023	SCOPUS INDEXED https://doi.org/10.1515/joc-2023-0013
18	Dr. S. Suvitha Associate Professor	Development of peanut husk carbon quantum dots and ferrite foil epoxy composite for EMI shielding at high frequency bands	Biomass Conversion and Biorefinery / Springer Publications	2/11/22 Volume 13, pages 5435–5443	SCIE INDEXED doi.org/10.1007/s13399-022-03469-y

19	Dr. S. Suvitha Associate Professor	Lung disease detection using Self-Attention Generative Adversarial Capsule network optimized with sun flower Optimization Algorithm	Biomedical Signal Processing and Control / Science Direct Publisher	01/2023 Volume 79, No. 104241	SCIE INDEXED doi.org/10.1016/j.bspc.2022.104241
20	Dr.S.Suvitha Associate Professor	Design and Analysis of a Compact Slotted Microstrip Patch Antenna for 5g NrMmWave Frequency Band	Periodico Di Mineralogia / Edizioni Nuova Cultura Publisher	2022, Volume 91, No. 5	SCOPUS INDEXED https://doi.org/10.37896/pd91.5/91572
21	1.Ms.K.M.Dhanalakshmi Associate Professor 2.Dr.G.Kavya Professor	A monopole polarization diversity antenna for high density packaging MIMO applications	Microelectronics International / Emerald Publisher	27/01/23 Volume: 41 Issue: 2 Pages: 75–81	SCIE INDEXED https://doi.org/10.1108/MI-07-2022-0127
22	Mr.R. Thirumurugan Assistant Professor	Flow-rule integration for quality of service enhancement in software-defined vehicular network	International Journal of Communication Systems / Wiley Publisher	22/09/22 Volume 35, Issue 18	SCIE INDEXED doi.org/10.1002/dac.5350
23	1.Ms.M.Ramya Assistant Professor 2.Dr.C.Arunachalaperumal Professor 3.Dr.S. Suvitha Associate Professor	An Investigation on Antenna Substrate Materials for the Design of 5X20 Massive MIMO Antennas	Periodico Di Mineralogia / Edizioni Nuova Cultura Publisher	June 2022 Volume 91, No. 4, 2022	SCOPUS INDEXED doi.org/10.37896/pd91.4/91428
24	Ms.J. R.Lourdu Jennifer Assistant Professor	Approximate Multipliers Design Using Approximate Adders for Image Processing Applications	Journal of Circuits, Systems, and Computers / World Scientific Publisher	11/06/2022 Vol. 31, No. 15 (23 pages)	SCOPUS INDEXED 10.1142/S0218126622502565

CONFERENCE PUBLICATIONS OF FACULTY – ECE

S. NO.	NAME OF THE FACULTY WITH DESIGNATION	TITLE OF PAPER	CONFERENCE NAME	DATE	INDEXED DETAILS
1	Dr.B.R.Tapas Babu Professor	Myocardial Infarction Analysis Using Deep Learning Neural Network Based on Image Processing Approach	International Conference on Distributed Computing and Optimization Techniques	12/09/2022 Pp: 635–644	SCOPUS INDEXED CONFERENCE DOI: 10.1007/978-981-19-2281-7_59
2	Dr.C.Arunachala perumal Professor	Non-Invasive Vital Health Monitoring of Senior Citizen with Wearable-IoT Sensor Node	International Conference on Intelligent Computing and Control Systems (ICICCS 2022) IEEE	08/06/2022	SCOPUS INDEXED CONFERENCE 10.1109/ICICCS5 3718.2022.9788397
3	Dr.G. Kavya Professor	An Image based Air Quality Analysis using Transfer Learning Algorithms	International Conference on Inventive Research in Computing Applications (ICIRCA) IEEE	29 /12/ 2022	SCOPUS INDEXED CONFERENCE DOI: 10.1109/ICIRCA 54612.2022.9985588
4	Ms.K.M.Dhanalakshmi Associate Professor	Power Generation System using Solar and Wind - A Hybrid Approach	International Conference on Contemporary Computing and Informatics	22/03/2023	SCOPUS INDEXED CONFERENCE DOI:10.1109/IC3I56 241.2022.10073064

5	Ms. Sreeja Vijay Associate Professor	An Automated Technology for IoT based Rail-Track Inspection to Locate Surface Flaws by Robotics and Neural Networks	International Conference on Inventive Computation Technologies (ICICT)	16/08/2022	SCOPUS INDEXED CONFERENCE DOI: 10.1109/ICICT54 344.2022.9850453
6	Ms. Sreeja Vijay Associate Professor	Customer Identification in Healthcare using an IoT based Multimedia Traffic Categorization Method	International Conference on Inventive Computation Technologies (ICICT)	16/8/2022	SCOPUS INDEXED CONFERENCE DOI: 10.1109/ICICT54 344.2022.9850504
7	Dr.S. Pradeep Associate Professor	Hybrid AI Model for Arthritis Prediction from Medical Image	International Conference on Smart Electronics and Communication (ICOSEC)	22/11/2022	SCOPUS INDEXED CONFERENCE DOI: 10.1109/ICOSEC 54921.2022.9952029
8	1.Ms.R.Aswini Assistant Professor 2.Dr.S.Suvitha Associate Professor	Enhancing the Resolution of Ancient Artworks using Generative Adversarial Networks	International Conference on Inventive Research in Computing Applications (ICIRCA) IEEE	29 /12/ 2022	SCOPUS INDEXED CONFERENCE DOI: 10.1109/ICIRCA 54612.2022.9985735
9	Ms.P. Sasireka Assistant professor	Design and Development of IoT based Reliable Healthcare Monitoring System	International Conference on Electronics and Sustainable Communication Systems (ICESC)	19/12/2022	SCOPUS INDEXED CONFERENCE DOI: 10.1109/ICESC54 411.2022.9885646

10	Ms.M. Ramya Assistant Professor	An optimized wireless network performance for secure data transmission and quality of service	International Conference on advances in science, engineering & Technology	June 2022	SCOPUS INDEXED CONFERENCE doi.org/10.13052/rp-9788770227896
11	Mr.D. Balakumaran Assistant Professor	Maximum Viability for WSN with Energy Harvesting and Cooperation by Drift Penalty and Perturbation Method	International conference on advances in science, engineering and technology	June 2022	SCOPUS INDEXED CONFERENCE https://doi.org/10.13052/rp-9788770227896
12	Ms.M.Priscilla Assistant Professor	HDP-IoT: An IoT Framework for Cardiac Status Prediction System using Machine Learning	International Conference on Inventive Computation Technologies (ICICT)	16/8/2022	SCOPUS INDEXED CONFERENCE 10.1109/ICICT54344.2022.9850897
13	Ms.M.Priscilla Assistant Professor	A Novel Approach To Identify Dynamic Dficiency In Cell Using Gaussian Nb Classifier	International conference on communication and electronics systems ICES 2022 ISBN – 978-1-6654-9633-9 IEEE	29/7/2022	SCOPUS INDEXED CONFERENCE 10.1109/ICCES54183.2022.9835813
14	1.Mr.A. Benjamin Joseph Assistant Professor 2.Ms.J. R. Lourdu Jennifer Assistant Professor	Integrated Health Care System Using Smart Wearables Based on Intelligent- Internet of Things	International Conference on Smart Structures and Systems (ICSSS) IEEE	01/06/2022	SCOPUS INDEXED CONFERENCE 10.1109/ICSSS54381.2022.9782174

15	Ms.R.Aswini Assistant Professor	Automated Short Term Load Prediction in Power Systems using Collision Bodies Optimization with MultiHead Deep Learning Model	International Conference on Inventive Research in Computing Applications (ICIRCA) IEEE	29 /12/ 2022	SCOPUS INDEXED CONFERENCE 10.1109/ICIRCA 54612.2022.9985 637
16	Ms.R.S.Vijayashanthi Assistant Professor	A multidimensional time series data on wireless network to improve the detection performance of unsupervised learning algorithms	International Conference on Innovative computing intelligent communication and smart electrical systems (ICSES) IEEE	14/10/2022	SCOPUS INDEXED CONFERENCE 10.1109/ICSES55 317.2022.9914254
17	1.Mr. A. Karunakaran Assistant Professor 2.R. Radhika Professor	Performance Improvement of Partially-Shaded PV Modules Connected DC Micro grid Systems	International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES) IEEE	14/10/2022	SCOPUS INDEXED CONFERENCE 10.1109/ICSES55 317.2022.9914241

LECTURE NOTES PUBLICATION OF FACULTY – ECE

S. NO.	NAME OF THE FACULTY WITH DESIGNATION	TITLE OF PAPER	BOOK SERIES / PUBLISHER	YEAR, VOLUME	INDEXED DETAILS
1	Mr.M.Maria Rubiston Assistant Professor	Health Monitoring System for Comatose Patient using Raspberry - Pi	Lecture Notes in Networks and Systems book series / Springer	23/2/2023 (LNNS, volume 587)	SCOPUS INDEXED LECTURE NOTES E-ISSN-2367- 3389 10.1007/978-981-19-7874-6_20H

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S. NO.	NAME OF THE FACULTY WITH DESIGNATION	TITLE OF PAPER	JOURNAL NAME / PUBLISHER	YEAR, ISSUE, VOLUME, PAGE NO.	INDEXED DETAILS
1	Dr. B.R.Tapas Babu Professor	Optimized Evolutionary Gravitational Neocognitron Neural Network for frequency reconfigurable antenna design	International Journal of Electronics and Communications / Elsevier Publications	22/08/2023 Volume 171, November 2023, 154867	SCIE INDEXED https://doi.org/10.1016/j.aeue.2023.154867
2	Dr. B.R.Tapas Babu Professor	A Variance Difference Method for Determining Optimal Number of Clusters in Wireless Sensor Networks.	Adhoc & Sensor Wireless Networks / Old City Publishers	16/12/2023 Vol 55, Issue 3/4, p321	SCOPUS INDEXED 10.32908/ahsw.n.v55.9699
3	Dr. B. R. Tapas Babu Professor	Self-attention based generative adversarial network with Aquila optimization algorithm espoused energy aware cluster head selection in WSN	International Journal of Communication Systems / Wiley Publications	18/12/2023 Volume37, Issue5	SCIE INDEXED https://doi.org/10.1002/dac.5690
4	Dr. L.Vanitha Professor	Device engineering of Sb ₂ X ₃ antimony chalcogenide for loss analysis and strategies for maximizing photovoltaic efficiency	Physica Scripta / IOP Publishing LTD	May 2024 Volume 99, Number 6	SCIE INDEXED DOI 10.1088/1402-4896/ad4751
5	Dr. L.Vanitha Professor	Total losses and dispersion effects management and upgrading fiber reach in ultra-high optical transmission system based on hybrid amplification system	Journal of Optical Communication / De gruyter	16/052024	SCOPUS INDEXED https://doi.org/10.1515/joc-2024-0074

6	Dr. T. S. Geetha Professor	Correction: Performance study of flow in academic buildings of an institution	CCF Transactions on Pervasive Computing and Interaction / Springer Publisher	21/11/2023 Volume 5 page 447	SCOPUS INDEXED https://doi.org/10.1007/s42486-023-00134-9
7	Dr. T. S. Geetha Professor	Deep Learning Based Decision Support Framework for Dead Reckoning in Emergency Vehicle Preemption	International Journal of Intelligent Transportation Systems Research / Springer Publisher	9/01/2024 Volume 22, pages 117–135	SCOPUS INDEXED https://doi.org/10.1007/s13177-023-00384-y
8	Dr. R. Radhika Professor	Simulation of Native Oxide-Passivated CsSno.5Geo.513 Highly Stable Lead- Free Inorganic Perovskite Solar Cell	Physica Status Solidi Applied Research / Wiley Publications	1/7/2023 Volume 10 Issue 1 Pages 16	SCOPUS INDEXED 10.1002/pssa.202300227
9	Dr. R.Radhika Professor	Underwater clustering based hybrid routing protocol using fuzzy ELM and hybrid ABC techniques	Journal of Intelligent & Fuzzy Systems / SAGE publishers	2/7/2023 vol. 45, no. 1, pp. 831-843	SCOPUS INDEXED 10.3233/JIFS-230172
10	Ms. K.M. Dhanalakshmi Associate Professor	The detection of phishing attempts in communications systems	International Journal of Electronic Security and Digital Forensics / Inderscience Publishers	1/1/2023 Volume 15 Issue 5 pp 541–553 2023	SCOPUS INDEXED https://doi.org/10.1504/ijesdf.2023.133192
11	1.Dr. S. Pradeep, Associate Professor 2.Dr. B.R. Tapas Babu Professor	Network intrusion detection: systematic evaluation using deep learning	International Journal of Electronic Security and Digital Forensics / Inderscience Publishers	01/03/2024 Vol. 16, No. 2 pp 190-201	ESCI INDEXED 10.1504/IJESDF.2024.137042
12	1.Dr. Pradeep S Associate Professor 2.Dr. B.R Tapas Babu Professor 3..Dr. Radhika R Professor	Energy Efficient Region based Source Distributed Routing Algorithm for Sink Mobility in Underwater Sensor Network	Expert Systems with Applications / Elsevier Publications	15/12/2023 Volume 233, No. 120941	SCIE INDEXED https://doi.org/10.1016/j.eswa.2023.120941

13	Dr. P.Sasireka Assistant Professor	Design of UWB MIMO antenna using lean wearable textile substrate for reduced SAR	Microelectronics International / Emerald Publishing	12/10/2023 Volume 41 Issue: 3 Pages; 142–148	SCIE INDEXED org/10.1108/MI-08-2023-0176
14	Dr. R. Harikrishnan Assistant Professor	Fabrication Model Design and Analysis of Flexible Polarization Surface Polariton Resonance with a Dual-Wing Antenna Structure Platform for Diverse Multiband Characteristics in the measurement Environment	Plasmonics / Springer Publications	12/12/2023 Volume 19, pages 2285–2298,	SCIE INDEXED https://doi.org/10.1007/s11468-023-02141-z
15	Dr. M Ramya, Assistant Professor	High performance efficiency of optical networking infrastructure characteristics with maximum speed of commercial fiber optic line cables employment	Journal of Optical Communications / De Gruyter	26/12/2023 vol. 45, no. s1 pp. s2679-s2688	SCOPUS INDEXED https://doi.org/10.1515/joc-2023-0360
16	Dr. P. Sasireka Assistant Professor	Monitor and detect suspicious online transactions	International Journal of Electronic Security and Digital Forensics / Inderscience Publishers	6/10/2023 Vol. 15, No. 6, 2023	SCOPUS INDEXED 10.1504/IJESDF.2023.133967
17	Ms. R Ashwini Assistant Professor	Ultra high reach optical fiber systems based on CW laser and VCSEL laser operation performance signature	Journal of Optical Communication / De gryuter	3/11/2023 5, no. s1, 2024, pp. s2505-s2512	SCOPUS INDEXED https://doi.org/10.1515/joc-2023-0293
18	Ms. M. Priscilla Assistant Professor	An effective digital forensic paradigm for cloud computing criminal investigation	International Journal of Electronic Security and Digital Forensics / Inderscience Publishers	6/10/2023 Vol.15 No.6	SCOPUS INDEXED 10.1504/IJESDF.2023.133966

19	Dr. M. Gomathi Assistant Professor	Implementation of Deep CNN Model for the Detection of Plant Leaf Disease	International Journal on Recent and Innovation Trends in Computing and Communication / Auricle Global Society of Education and Research	30/08/2023 ISSN: 2321-8169 Volume: 11 Issue: 9s	SCOPUS INDEXED https://doi.org/10.17762/ijritcc.v11i9s.7457
20	Ms. M. Madhini Assistant Professor	Utilising blockchain technology to provide safety for smart home networks	International Journal of Electronic Security and Digital Forensics / Inderscience Publishers	1/3/2023 Volume 15 Issue 52023 pp 532–540	SCOPUS INDEXED https://doi.org/10.1504/ijesdf.2023.133193
21	Mr. A. Karunakaran Assistant Professor	An original data encryption technique for communication networks	International Journal of Electronic Security and Digital Forensics / Inderscience Publishers	12/1/2024 2024 Vol.16 No.1	SCOPUS INDEXED 10.1504/IJE SDF.2024.136020
22	Ms. R.Srilakshmi Assistant Professor	Deployable reconfigurable antenna with intrinsic strain sensing capabilities for stretchable soft robotic applications	Journal Of Optoelectronics and Advanced Materials / INOE publisher	15/2/2024 Vol. 26, Iss. 1-2, pp. 18-27 (2024)	SCOPUS INDEXED https://joam.inoe.ro/articles/deployable-reconfigurable-antenna-with-intrinsic-strain-sensing-capabilities-for-stretchable-soft-robotic-applications/fulltext
23	Ms. R.S.Vijayashanthi Assistant Professor	Analysis of smart grid-based intrusion detection system through machine learning methods	International Journal of Electronic Security and Digital Forensics / Inderscience Publishers	12/1/2024 Vol.16 No.1 2024	SCOPUS INDEXED 10.1504/IJESDF.2024.136015

24	Ms. K. Mekala Devi Assistant Professor	Hybrid rater to quantify and measure the severity of infection and spread of infection in muskmelon	Bulletin of Electrical Engineering and Informatics (BEEI) / Institute of Advanced Engineering and Science (IAES) in collaboration with Intelektual Pustaka Media Utama (IPMU).	Vol. 13, No. 3, June 2024, pp. 1667-1675	SCOPUS INDEXED https://doi.org/10.11591/eei.v13i3.5432
25	Ms. M Ramya, Assistant Professor	Liner multimode fibers with high distributed optical amplification system based high efficient quadrature modulation system for reliable high capacity local area network	Journal of Optical Communication / Degruyter	6/2/2024	SCOPUS INDEXED https://doi.org/10.1515/joc-2023-0389
26	Ms. G.Vasumathi Assistant Professor	Hybrid pumped laser sources based hybrid traveling wave SOA and optical EDFA amplifies for signal quality improvement	Journal of Optical Communication / De gruyter	9/5/2024	SCOPUS INDEXED https://doi.org/10.1515/joc-2024-0055 Cite thisShare this
27	Dr. R.Vinodhini Assistant Professor	Comparative analysis of high index core micro structured optical fibers (HIMSOF) and hollow core band gap fibers (HCBGF) performance efficiency in fiber communication system	Journal of Optical Communications / De gruyter	06/07/2024	SCOPUS INDEXED https://doi.org/10.1515/joc-2024-0085

CONFERENCE PUBLICATIONS OF FACULTY - ECE

S. NO.	NAME OF THE FACULTY WITH DESIGNATION	TITLE OF PAPER	CONFERENCE NAME	DATE	INDEXED DETAILS
1	Dr. L.Vanitha Professor	Remote Monitoring System using IoT for Healthcare Applications	International Conference on Communication and Signal Processing (ICCSPP) IEEE Conference	06/06/2024	SCOPUS INDEXED CONFERENCE 10.1109/ACCAI610 61.2024.10602273
2	Dr. B.R.Tapas Bapu Professor	A deep Evaluation of Digital Image based Bone Cancer Prediction using Modified Machine Learning Strategy	International Conference on Smart Structures and Systems (ICSSS) IEEE	31/01/2024	SCOPUS INDEXED CONFERENCE 10.1109/ICSSS5808 5.2023.10407146
3	Dr. B.R.Tapas Bapu Professor	A Comprehensive Design and Development of FPGA based wireless Light Communication using IoT principles	International Conference on Smart Structures and Systems (ICSSS) IEEE	31/01/2024	SCOPUS INDEXED CONFERENCE 10.1109/ICSSS5808 5.2023.10407426
4	Dr. B.R.Tapas Bapu Professor	An Efficient Network Anamoly Detection Scheme over Heavy Traffic Wireless Sensor Network Environment	International Conference on Smart Structures and Systems (ICSSS) IEEE	31/01/2024	SCOPUS INDEXED CONFERENCE 10.1109/ICSSS5808 5.2023.10407897
5	Dr. R.Radhika Professor	Power and area optimization Techniques for Reconfigurable Inverse Discrete Cosine Transform FPGA for High Performance Computation	International Conference on Smart Structures and Systems (ICSSS) IEEE	31/01/2024	SCOPUS INDEXED CONFERENCE 10.1109/ICSSS5808 5.2023.10407764
6	Dr. S.Suvitha Associate Professor	Energy Efficient Routing Algorithm with Mobile Sink Assistance in Wireless Sensor Networks	International Conference on Advances in Computing, Communication and Applied Informatics (ACCAI) IEEE	04/08/2023	SCOPUS INDEXED CONFERENCE 10.1109/ACCAI582 21.2023.10201142

7	Ms. Sreeja Vijay Associate Professor	Efficient Multiple UAV Positioning and Resource Allocation in Intelligent Wireless Network	International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES) IEEE	19/03/2024	SCOPUS INDEXED CONFERENCE 10.1109/ICSES600 34.2023.10465520
8	Dr. S.Suvitha Associate Professor	Intellectual Design of Bomb Identification and Defusing Robot based on Logical Gesturing Mechanism	International Conference on Advances in Computing, Communication and Applied Informatics (ACCAI) IEEE	04/08/2023	SCOPUS INDEXED CONFERENCE 10.1109/ACCAI582 21.2023.10201034
9	Dr. S. Pradeep Associate Professor	Enhancing Power Quality in Smart Grids through Machine Learning Techniques	International Conference on Science Technology Engineering and Management (ICSTEM) IEEE	25/06/2024	SCOPUS INDEXED CONFERENCE 10.1109/ICSTEM61 137.2024.10560607
10	Dr. S. Pradeep Associate Professor	Machine Learning Techniques for Predictive Maintenance in Industrial IoT Systems	International Conference on Science Technology Engineering and Management (ICSTEM) IEEE	25/06/2024	SCOPUS INDEXED CONFERENCE 10.1109/ICSTEM61 137.2024.10560643
11	Dr. S.Pradeep Associate Professor	Utilizing Machine Learning Techniques for Identifying and Diagnosing Integrated Circuit Faults	International Conference on Science, Technology, Engineering and Management, ICSTEM IEEE	25/06/2024	SCOPUS INDEXED CONFERENCE 10.1109/ICSTEM61 137.2024.10560775
12	Dr. T Annalakshmi Associate Professor	Intelligent Safety Life Jacket Using WSN Technology	International Conference on the Confluence of Advancements in Robotics, Vision and Interdisciplinary Technology Management (IC-RVITM) IEEE	21/02/2024	SCOPUS INDEXED CONFERENCE 10.1109/IC-RVITM60032.2023. 10435024

13	Dr. T. Annalakshmi; Associate Professor	Wearable Leaf-Shaped Slotted Antenna Including Human Phantom for WBAN Applications	International Conference on Smart Structures and Systems (ICSSS) IEEE	31/01/2024	SCOPUS INDEXED CONFERENCE 10.1109/ICSSS5808 5.2023.10407069
14	Dr. K M Dhanalakshmi Associate Professor	A Novel Interference Mitigation Technique and Signal Strength Prediction in future Wireless Communication	International Conference on Computer Communication and Informatics (ICCCI) IEEE	24/05/2023	SCOPUS INDEXED CONFERENCE 10.1109/ICCCI56 745.2023.101283 87
15	Ms. B. Nithyasundari Assistant Professor	Experimental Evaluation of Secured IRIS Recognition System using Learning Assisted Classification and Prediction Methodology	International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES) IEEE	19/03/2024	SCOPUS INDEXED CONFERENCE 10.1109/ICSES600 34.2023.10465551
16	Mr. M.Maria Rubiston Assistant Professor	Vehicle speed determination using Haarcascade Algorithm	International Conference on Smart Structures and Systems (ICSSS) IEEE	31/01/2024	SCOPUS INDEXED CONFERENCE 10.1109/ICSSS5808 5.2023.10407050
17	Mr. M. Maria Rubiston Assistant Professor	Prediction of Optimized stock market trends using hybrid approach based on KNN and bagging classifier	IEEE International Conference on Communication Systems and Network Technologies (CSNT)	08/06/2022	SCOPUS INDEXED CONFERENCE 10.1109/CSNT5445 6.2022.9787638
18	Mr. A.Karunakaran Assistant Professor	NSER: Development of Novel Speech based Emotion Recognition System by using Hybrid Learning Technique	International Conference on Research Methodologies in Knowledge Management, Artificial Intelligence and Telecommunication Engineering (RMKMATE) IEEE	03/01/2024	SCOPUS INDEXED CONFERENCE 10.1109/RMKMATE59243.2023.10 368933

19	Ms. C.Poonguzhali Assistant Professor	Deep learning for breast cancer prediction in the era of big data : A comparative study of gene expression and DNA Methylation	International Conference on Sustainable Communication Networks and Application (ICSCNA) IEEE	01/01/2024	SCOPUS INDEXED CONFERENCE 10.1109/ICSCNA58 489.2023.10370563
20	Ms. R.S. Vijayashanthi Assistant Professor	Development of a Robust Stock Market Prediction Mechanism based on Enhanced Comprehensive Learning Principles	International Conference on Research Methodologies in Knowledge Management, Artificial Intelligence and Telecommunication Engineering (RMKMATE) IEEE	03/01/2024	SCOPUS INDEXED CONFERENCE 10.1109/RMKMAT E59243.2023.10369559
21	Ms. C.Poonguzhali Assistant Professor	Integrated Hybrid Deep Learning Approach for Precise Blood Cancer Detection	International conference on communication and signal processing – ICSSP 2024 IEEE	06/06/2024	SCOPUS INDEXED CONFERENCE 10.13140/RG.2.2.24 766.09282
22	Ms. B. Nithyasundari Assistant Professor	An Efficient Human Activity Recognition Scheme using Hybrid Deep Learning Strategy with Intelligent Classification Principles	International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES) IEEE	19/03/2024	SCOPUS INDEXED CONFERENCE 10.1109/ICSES600 34.2023.10465381
23	Ms. K. Mekala Devi Assistant Professor	A Systematic Procedure to Identify Human Blood Groups by using Image Processing Assisted Learning Principle	International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES) IEEE	19/03/2024	SCOPUS INDEXED CONFERENCE 10.1109/ICSES600 34.2023.10465448

24	Ms. M. Priscilla Assistant Professor	Evolution of Artificial Intelligence Based Burned Calories Prediction System Using Novel Hybrid Learning Methodology	Ninth International Conference on Science Technology Engineering and Mathematics (ICONSTEM) IEEE	28/06/2024	SCOPUS INDEXED CONFERENCE 10.1109/ICONSTEM60960.2024.10568726
25	Ms. G Vasumathi Assistant Professor	Streamlining Industrial Tank Monitoring and Maintenance: An Innovative Compact IoT Based Rover System	International Conference on Communication and Signal Processing (ICCSP) IEEE	06/06/2024	SCOPUS INDEXED CONFERENCE 10.1109/ICCSP60870.2024.10543807
26	Ms. G. Vasumathi Assistant Professor	Design and Development of an Apple Fruit Disease Identification Methodology Based on Enhanced Deep Learning Strategy	International Conference on Science Technology Engineering and Mathematics (ICONSTEM) IEEE	28/06/2024	SCOPUS INDEXED CONFERENCE 10.1109/ICONSTEM60960.2024.10568770
27	Ms. G. Vasumathi; Assistant Professor	Decoding AI: Experimental Analysis of Artificial Intelligence based Wine Quality Prediction Logic using Convoluted Deep Classification Strategy	International Conference on Science Technology Engineering and Mathematics (ICONSTEM) IEEE	28/06/2024	SCOPUS INDEXED CONFERENCE 10.1109/ICONSTEM60960.2024.10568783
28	Ms. K. Mekala Devi Assistant Professor	Agri-Sentinel Autonomous Field Monitoring System	International Conference on Communication and Signal Processing - ICCSP 2024 IEEE	06/06/2024	SCOPUS INDEXED CONFERENCE 10.1109/ICCSP60870.2024.10544057
29	Dr. M. Gomathi Assistant Professor	Uncovering the Experimental Secrets of a Novel Brain Tumor Identification Scheme with Elevated Learning and Image Classification Principles	International Conference on Communication and Signal Processing (ICCSP) IEEE	06/06/2024	SCOPUS INDEXED CONFERENCE 10.1109/ICCSP60870.2024.10544250

BOOK CHAPTER PUBLICATIONS OF FACULTY – ECE

S. NO.	NAME OF THE FACULTY WITH DESIGNATION	TITLE OF PAPER	BOOK NAME / PUBLISHER	DATE, PAGE NO.	INDEXED DETAILS
1	Dr. S. Pradeep Associate Professor	Synergizing Artificial Intelligence, 5G, and Cloud Computing for Efficient Energy Conversion Using Agricultural Waste	Sustainable Science and Intelligent Technologies for Societal Development / IGI Global	01/09/2023 pp.475-497	SCOPUS INDEXED BOOK CHAPTER 10.40181979-8-3693-1186-8.ch026
2	Ms. P. Sasireka Assistant Professor	Cloud Computing and Machine Learning in the Green Power Sector	Handbook of Research on Innovations in Systems and Software Engineering / IGI Global	29/03/2024 pages 151-179	SCOPUS INDEXED BOOK CHAPTER 10.4018/979-8-3693-1694-8.ch009

S.A. ENGINEERING COLLEGE, CHENNAI – 600077
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JOURNAL PUBLICATIONS OF FACULTY - ECE

ACADEMIC YEAR: 2024-2025

S. NO.	NAME OF THE FACULTY WITH DESIGNATION	TITLE OF PAPER	JOURNAL NAME / PUBLISHER	YEAR, ISSUE, VOLUME, PAGE NO.	INDEXED DETAILS
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1	Dr. B.R.Tapas Bapu Professor	Cyber intrusion detection using dual interactive Wasserstein generative adversarial network with war strategy optimization in wireless sensor networks	Multimedia Tools and Applications / Springer Publisher	July 2024 Volume 84, pages 19223– 19253	SCIE INDEXED 10.1007/s11042- 024-19754-z
2	Dr. B.R.Tapas Bapu Professor	Blockchain-based Light-weight Authentication Approach for a Multiple Wireless Sensor Network	IETE Journal of Research / Taylor and Francis Publisher	2024 Vol 70 Issue 2 Pages: 1480-1494	SCIE INDEXED 10.1080/03772063.2022 .214710
3	Dr. B.R.Tapas Bapu Professor	Cancer miRNA biomarker classification based on syntax-guided hierarchical attention network optimized with Golden Jackal optimization algorithm	Biomedical Signal Processing and Control / Science Direct Publisher	September 2024 Volume 95, Part B, 106303	SCIE INDEXED https://doi.org/10.1016/j.bspc.2024.106303
4	Dr. B.R.Tapas Bapu Professor	Electromagnetic interference shielding behavior of flexible PVA composite made using betel nut husk biocarbon and steel microwire in E, F, I, and J band spectrum	Journal of Vinyl and Additive Technology / Wiley Publishers	21-Aug-24 Vol 30 Issue 6 Pages: 1545-1555	SCIE INDEXED https://doi.org/10.1002/vnl.22138
5	Dr. B.R.Tapas Bapu Professor	Advanced Detection of Diabetic Foot Ulcers Using Hamiltonian Quantum GANs and Cell Attention Networks, with Genghis Khan Shark Optimization	Biomedical Materials & Devices / Springer Publisher	5 May 2025	SCOPUS INDEXED https://doi.org/10.1007/s44174-025-00332-2
6	Dr.R.Radhika Professor	High stability static/dynamic gain in phototransistors for high speed digital optical fiber telecommunication systems based on various modulation code schemes	Journal of optics / Springer nature Publisher	17 December 2024	SCOPUS INDEXED https://doi.org/10.1007/s12596-024-02348-1

7	Dr. R.Radhika Professor	Comprehensive evaluation of recombination confined performance of CuGaO ₂ for solar cell application	Physica Scripta / IOP Science Publishers	September 2024 Volume 99, Number 10 1059c5	SCIE INDEXED 10.1088/1402- 4896/ad7a3d
8	Dr. B.R.Tapas Babu Professor	An Efficient Cyber Security Attack Detection with Encryption Using Capsule Convolutional Polymorphic Graph Attention	Transactions on Emerging Telecommunications Technologies / Wiley Publications	25 February 2025 Volume 36, Issue 3	SCIE INDEXED https://doi.org/10.1002/ett.70069
9	Dr.T.S.Geetha Professor	Pre-emption system for emergency medical service vehicles: a deep learning approach (NEW)	International Journal of General Systems / Taylor and Francis Publisher	28 Mar 2025	SCIE INDEXED https://doi.org/10.1080/03081079.2025.2481898
10	Dr. G.Kavya Professor	Optimizing Wearable Textile Antennas for Accurate Long-Range Localization Using an Interpretable Generalized Additive Neural Network	International Journal of Communication Systems / Wiley Publisher	10 March 2025 Vol 38, no.6	SCIE INDEXED https://doi.org/10.1002/dac.70038
11	Dr. B.R.Tapas Babu Professor	Energy-efficient coverage in wireless sensor networks based on stacked contractive auto encoder with Manta Ray foraging optimization algorithm	International Journal of Mobile Communications / Inderscience Publisher	01 January 2025 Volume 25, Issue: 1, Pages 110 – 128	SSCI INDEXED https://doi.org/10.1504/ijmc.2025.142969
12	Dr.T.S.Geetha Professor	Enhancing earth target classification in hyperspectral imagery using graph convolutional neural networks and graph-regularized sparse coding	Remote Sensing Applications: Society and Environment / Science Direct Publisher	January 2025, Volume 37, January 2025, 101419	ESCI INDEXED https://doi.org/10.1016/j.rsase.2024.101419
13	Dr. S.B. Mohan Associate Professor	Optimal Location Identification of Solar PV Systems in Distributed Generators Based on Prediction of Load Flow and Factor Using Rule Based Deep Learning Algorithm	Journal of Electrical Engineering & Technology / Springer Publisher	10 November 2024 Volume 20 Pages: 1269-1281	SCIE INDEXED https://link.springer.com/article/10.1007/s42835-024-02063-8

14	Dr.T.Annalakshmi Associate Professor	Relative intensity noise management and thermal/shot noise control for high speed ultra-high bandwidth fiber reach transmission performance	Journal of Optical Communications / De Gruyter Publisher	July 30, 2024 vol. 46, no. 3, 2025, pp. 657-664	SCOPUS INDEXED https://doi.org/10.1515/joc-2024-0135
15	Dr.T.Annalakshmi Associate Professor	High speed operation efficiency of doped light sources with the silica-doped fiber channel for extended optical fiber system reach	Journal of Optical Communications / De Gruyter Publisher	July 29, 2024 vol. 46, no. 3, 2025, pp. 645-656	SCOPUS INDEXED https://doi.org/10.1515/joc-2024-0130
16	Dr.T.Annalakshmi Associate Professor	Management of lateral misalignment loss and total insertion loss with beam waist control in high contrast single mode coupling fibers	Journal of Optical Communications / De Gruyter Publisher	July 29, 2024 vol. 46, no. 3, 2025, pp. 537-544	SCOPUS INDEXED https://doi.org/10.1515/joc-2024-0131
17	Dr. S.B.Mohan Associate Professor	Effect of GA based PID controller in Bidirectional Converter	International Journal of Power Electronics and Drive Systems / IAES Publisher	3, September 2024 Volume 15 Number 3 Pages: 1757-1766	SCOPUS INDEXED https://ijpeds.iaescore.com/index.php/IJPEDS/article/view/22997
18	Dr. M. Gomathi Assistant Professor	A hybrid optimization enabled deep learning for object detection and multi-object tracking	International Journal of Ad Hoc and Ubiquitous Computing / Inderscience Publisher	July 15, 2024 Vol 46 No. 3 pp 150-165	SCIE INDEXED https://doi.org/10.1504/IJAHUC.2024.140033
19	1.Mr. S.Venkat Assistant Professor 2.Dr. B.R.Tapas Babu Professor 3.Dr. R.Radhika Professor	Design of triband circularly polarized hexagon shaped patch antenna using optimized Siamese heterogeneous convolutional neural networks for 5G wireless communication system	Nano Communication Networks / Science Direct Publisher	March 2025, Volume 43, 100562	SCIE INDEXED https://doi.org/10.1016/j.nancom.2024.100562
20	Ms.G. Vasumathi Assistant Professor	A Pioneering Deluge Net Model with Optimization for Enhanced Urban Flood Detection and	Water Resources Management / Springer Publisher	15 March 2025 Volume 39, pages 4629–4660, (2025)	SCIE INDEXED 10.1007/s11269-025-04171-0

		Analysis			
21	Ms.R.Aswini Assistant Professor	High capacity performance signature of micro optical mechanical system switches based fiber Bragg grating scheme implementation in optical WDM data routed center networks	Journal of Optical Communications / De Gruyter Publisher	Nov 25,2024	SCOPUS INDEXED https://doi.org/10.1515/joc-2024-0241
22	Ms.M.Priscilla Assistant Professor	High modulation depth and high modulated power with low noise figure for high speed modulation optical communication system performance signature	Journal of Optics / Springer Publisher	8 August 2024	SCOPUS INDEXED https://doi.org/10.1007/s12596-024-02104-5
23	Ms. Sharon Sweeti Assistant Professor	Long wavelength fluoride optical glass fibers performance signature in high speed local area data networks	Journal of Optical Communications / De Gruyter Publisher	September 24, 2024	SCOPUS INDEXED https://doi.org/10.1515/joc-2024-0180
24	Dr. M. Gomathi Assistant Professor	Solar-Powered LED Streetlights Integrated with VLC In Bridging Illumination and Communication	Journal of Optics / Springer Publisher	25 November 2024	SCOPUS INDEXED https://link.springer.com/article/10.1007/s12596-024-02342-7
25	1. Ms.M. Madhini Assistant Professor 2. Dr. B.R.Tapas Babu Professor	Hybrid artificial humming bird and coati optimization algorithm fostered power aware application mapping in 3D-NoC system	The Journal of Mobile Communication, Computation and Information / Springer Publisher	7 April 2025 Volume 31, Pages 3517-3531	SCOPUS INDEXED https://doi.org/10.1007/s11276-025-03937-z
26	Ms.M.Madhini Assistant Professor	Laser diode transmission characteristics management for high optical fiber coupling system stability with various spectral wavelength windows	Journal of Optical Communications / De Gruyter Publisher	March 12, 2025	SCOPUS INDEXED https://doi.org/10.1515/joc-2025-0022
27	Ms. K. Mekala Devi Assistant Professor	Comparative analysis of different types of pulse width modulation	Indonesian Journal of Electrical	Vol 37, No 1 pp. 680-688	SCOPUS INDEXED

		techniques for multilevel inverters	Engineering and Computer Science / IAES Publisher	2024	DOI: http://doi.org/10.11591/ijeecs.v37.i1.pp680-688
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CONFERENCE PUBLICATIONS OF FACULTY - ECE

S. NO.	NAME OF THE FACULTY WITH DESIGNATION	TITLE OF PAPER	CONFERENCE NAME	DATE	INDEXED DETAILS
1	Dr. L.Vanitha Professor	Machine Learning Methodologies for Predicting Autism Spectrum Disorder across Generations	International Conference on Advances in Computing, Communication and Applied Informatics (ACCAI)	25/06/2024	SCOPUS INDEXED CONFERENCE 10.1109/ACCAI61061.2024.10602273
2	Dr.S. B. Mohan Associate Professor	Diabetic Retinopathy Lesions Severity Identification Using a hybrid Dense-Gated 3D-UNet	International Conference on Data Science and Network Security (ICDSNS) IEEE	01/10/2024	SCOPUS INDEXED CONFERENCE 10.1109/ICDSNS62112.2024.10691178
3	Dr.T.Annalakshmi Associate Professor	Performance Comparison of Slotted Inverted F Tri-Band Antenna and Slotted P Tri-Band Antenna for Wi-Fi, Wi-Max Applications	IEEE Conference International Conference on Smart Electronics and Communication Systems	17/02/2025	SCOPUS INDEXED CONFERENCE 10.1109/ISENSE63713.2024.10872174
4	Dr.S Suvitha Associate Professor	Deep Learning-Based Image Processing for Defect Detection in Electronic Components Manufacturing	International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICES) IEEE	12/03/2025	SCOPUS INDEXED CONFERENCE 10.1109/ICES63760.2024.10910791

5	Ms.Sreeja Vijay Associate Professor	A Supervised Learning Model for Wild Image Quality Enhancement Scheme Using Elevated Convolution and Contrast Enrichment Strategy	IEEE International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES) IEEE	12/03/2025	SCOPUS INDEXED CONFERENCE 10.1109/ICSES6376 0.2024.10910523
6	Ms.Sreeja Vijay Associate Professor	ENOL: A Robust Learning Based Methodology to Predict Mental Health Illness by Using Elevated Neural Optimization Logic	International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES) IEEE	12/03/2025	SCOPUS INDEXED CONFERENCE 10.1109/ICSES6376 0.2024.10910487
7	Ms.Sreeja Vijay Associate Professor	Experimental Analysis of an IoT Based Secured Data Communication between Social Communities Over Wireless Sensor Network Environment	International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES) IEEE	12/03/2025	SCOPUS INDEXED CONFERENCE 10.1109/ICSES6376 0.2024.10910873
8	Dr.S. Pradeep Associate Professor	AI-Driven Fault Detection in Smart Grids	Odisha International Conference on Electrical Power Engineering, Communication and Computing Technology (ODICON) IEEE	24/12/2024	SCOPUS INDEXED CONFERENCE 10.1109/ODICON62 106.2024.10797555
9	Mr. S.Venkat Assistant Professor	Deep Learning Approaches for Solving Challenges in Computer Vision Applications and Exploring Evolving Patterns	International Conference on Contemporary Computing and Informatics (IC3I) IEEE	15/01/2025	SCOPUS INDEXED CONFERENCE 10.1109/IC3I61595. 2024.10829128
10	Mr. S.Venkat Assistant Professor	Efficient Routing Using Improved Ant Colony Optimization for Vehicular Communication in Urban Scenarios	International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES) IEEE	12/03/2025	SCOPUS INDEXED CONFERENCE 10.1109/ICSES6376 0.2024.10910298
11	Mr. S.Venkat Assistant Professor	DNCS: Artificial Intelligence Enabled Food Recognition and Associated Calorie Level	International Conference on Innovative Computing, Intelligent Communication	12/03/2025	SCOPUS INDEXED CONFERENCE

		Estimation System Using Deep Neural Classification Scheme	and Smart Electrical Systems (ICES) IEEE		10.1109/ICES6376 0.2024.10910307
12	Ms.M. Ramya Assistant Professor	Engineering Excellence Fabricating an Intelligent and Automated Railway Gate Control System	International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICES) IEEE	12/03/2025	SCOPUS INDEXED CONFERENCE 10.1109/ICES6376 0.2024.10910741
13	Ms.R.Aswini Assistant Professor	Enhanced Model for Brain Tumor Detection Accuracy Using Inceptionresnetv2 compared to VGG19 and MobileNet Models	International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICES) IEEE	12/03/2025	SCOPUS INDEXED CONFERENCE 10.1109/ICES6376 0.2024.10910388
14	Ms.R.Aswini Assistant Professor	ODLCP: A Novel Methodology to Predict Immune System Strength by Using Optimized Deep Learning and Classification Principle	International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICES) IEEE	12/03/2025	SCOPUS INDEXED CONFERENCE 10.1109/ICES6376 0.2024.10910798
15	Mr.M.MariaRubiston Assistant Professor	An Effective Cluster Based Energy and Power Optimization Routing Protocol Design over Wireless Sensor Network Environment	International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICES) IEEE	12/03/2025	SCOPUS INDEXED CONFERENCE 10.1109/ICES6376 0.2024.10910694
16	Mr.M.MariaRubiston Assistant Professor	An Image Oriented AI Methodology to Detect Animal Footprints Based on Enhanced Neural Optimization and Classification Scheme	International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICES) IEEE	12/03/2025	SCOPUS INDEXED CONFERENCE 10.1109/ICES6376 0.2024.10910668
17	Mr.M.MariaRubiston Assistant Professor	Experimental Analysis of Artificial Intelligence Powered Adaptive Learning Methodology Using Enhanced Deep Learning Principle	International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICES) IEEE	12/03/2025	SCOPUS INDEXED CONFERENCE 10.1109/ICES6376 0.2024.10910531
18	Mr.M.MariaRubiston Assistant Professor	An Improved Bat Optimization Algorithm for Knowledge	International Conference on Innovative Computing,	12/03/2025	SCOPUS INDEXED

		Discovery for Routing and Energy Efficiency in the Internet of Things Environment	Intelligent Communication and Smart Electrical Systems (ICSES) IEEE		CONFERENCE 10.1109/ICSES6376 0.2024.10910486
19	Ms.L.Chithra Assistant Professor	An Improved Neural Network Logic for Identifying Cerebral Palsy Disease to Assist Healthcare Field Using Artificial Intelligence Technique	International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES) IEEE	12/03/2025	SCOPUS INDEXED CONFERENCE 10.1109/ICSES6376 0.2024.10910464
20	Dr.M.Bharaneedharan Assistant Professor	LDCP: A Novel Approach to Predict Fake Reviews in Online Social Network by using Learning based Data Classification Principle	International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES) IEEE	12/03/2025	SCOPUS INDEXED CONFERENCE 10.1109/ICSES6376 0.2024.10910317
21	Dr.M.Bharaneedharan Assistant Professor	A Superficial Learning Strategy to Identify Email Spams Based on Hybrid Data Filtration and Classification Methodology	International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES) IEEE	12/03/2025	SCOPUS INDEXED CONFERENCE DOI: 10.1109/ICSE S63760.2024.10910 321
22	Mr.D. Prakash Assistant Professor	Demand Response and Dynamic Pricing Simulation in a 4-Bus Power System	IEEE Pune Section International Conference (PuneCon)	27/02/2025	SCOPUS INDEXED CONFERENCE DOI: 10.1109/Pune Con63413.2024.108 94820
23	Mr.A.Karunakaran Assistant Professor	B2BIoT: Efficient and Secured Wireless Body-to-Body Data Communication by using Smart Wearable Sensors	International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES) IEEE	12/03/2025	SCOPUS INDEXED CONFERENCE 10.1109/ICSES6376 0.2024.10910264
24	Mr.A.Karunakaran Assistant Professor	Experimental Analysis of Learning Based Approach to Evaluate the Integration of Social Networking Platform	International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems	12/03/2025	SCOPUS INDEXED CONFERENCE 10.1109/ICSES6376

		with Internet of Things Technology	(ICES) IEEE		0.2024.10910866
25	Ms.K. Mekala Devi Assistant Professor	EROP: A Logical 5G Enabled Data Communication with Improved Packet Delivery Ratio Using Enhanced Route Optimization Protocol over WSN Platform	International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICES) IEEE	12/03/2025	SCOPUS INDEXED CONFERENCE 10.1109/ICES6376 0.2024.10910832
26	Ms. Sharon Sweeti Assistant Professor	Empirical Possibilities of Social Network Privacy and Security Enhancement to Improve Data Communication Efficiency	International Conference on Emerging Trends in Engineering and Medical Sciences (ICETEMS)	22/04/2025	SCOPUS INDEXED CONFERENCE 10.1109/ICETEMS6 4039.2024.1096497 6
27	Ms.P. Sasireka Assistant Professor	Blood glucose diabetic prediction using machine learning	International Conference on Sustainable Computing and Smart Systems, ICSCSS 2024	20/08/2024 pp. 1519–1522	SCOPUS INDEXED CONFERENCE 10.1109/ICSCSS606 60.2024.10625217
28	Mr.A.Karunakaran Assistant Professor	Enhanced pixel resolution for Holographic visuals using improved imaging model	International Conference on Computing Communication and Networking Technologies (ICCCNT) IEEE	04/11/2024	SCOPUS INDEXED CONFERENCE 10.1109/ICCCNT61 001.2024.10724517
29	Mr. S.Venkat Assistant Professor	Optimizing Food Image Classification Using Black Widow Algorithm and Deep Learning Techniques	International Conference on Advances in Information Technology, ICAIT	04/10/2024	SCOPUS INDEXED CONFERENCE 10.1109/ICAIT6163 8.2024.10690324

30	Mr. S.Venkat Assistant Professor	Smart Density Traffic Light Controller	International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC)	23/10/2024	SCOPUS INDEXED CONFERENCE https://doi.org/10.1109/I-SMAC61858.2024.10714898
31	1.Ms.M. Priscilla Assistant Professor 2.Dr. R.Radhika Professor	Intelligent Power Device Modeling using Optimal Deep Learning Approach for AlGaN/GaN HEMTs	International Conference on Electrical Energy Systems (ICEES) IEEE	10/12/2024	SCOPUS INDEXED CONFERENCE DOI:10.1109/ICEES61253.2024.10776832

LECTURE NOTES PUBLICATIONS OF FACULTY - ECE

S. NO.	NAME OF THE FACULTY WITH DESIGNATION	TITLE OF PAPER	BOOK NAME / PUBLISHER	DATE, PAGE NO.	INDEXED DETAILS
1.	Dr.S. B. Mohan Associate Professor	Smart Anesthesia Level Monitor during Surgery in the Intensive Care Unit	Lecture Notes in Networks and Systems / Springer	04 August 2024 (LNNS,volume 1006) Pages: 305-319	SCOPUS INDEXED LECTURE NOTES https://link.springer.com/chapter/10.1007/978-981-97-3810-6_26
2.	Dr.S. B. Mohan Associate Professor	Multimodal Analysis of Induction Motor Signals for Power Quality Abnormality Detection Using Wavelet-RBF Approach	Lecture Notes in Networks and Systems / Springer	04 August 2024 (LNNS,volume 1006) Pages: 187-201	SCOPUS INDEXED LECTURE NOTES https://link.springer.com/chapter/10.1007/978-981-97-3810-6_16

3.	Dr.S. B. Mohan Associate Professor	IoT-Based Fault Monitoring of Industrial Drives Using Multimodal Sensor Signals	Lecture Notes in Networks and Systems / Springer	04 August 2024 (LNNS,volume 1006) Pages: 189-201	SCOPUS INDEXED LECTURE NOTES https://link.springer.com/chapter/10.1007/978-981-97-3810-6_37
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