

**SRI SAIRAM ENGINEERING COLLEGE**

**ACADEMIC YEAR 2020-2021**

**ELECTRONICS AND COMMUNICATION ENGINEERING**

**JOURNAL PUBLICATIONS**

<b>S.No</b>	<b>Name of the Faculty</b>	<b>Name of Activity</b>	<b>Title of the Paper</b>	<b>Journal Name</b>	<b>Publisher/DOI/ISSN</b>	<b>Indexing</b>
1	Dr.S.Brindha Mr. T. Sivasakthi	International Journal	Radio over fiber based signal transport schemes for emerging mobile.	Journal of Optical communications	De Gyruiter ISSN: 2191-6322	SCI
2	Ms.V.Sasikala	International Journal	Performance analysis and parameter optimization of all-optical encryption using the FWM effect in semiconductor optical amplifier	Journal of Optical Communication	ISSN: 2191-6322	Scopus
3	Ms.C.N.Savithri & Dr.E.Priya	Book Chapter	Classification of sEMG Signal-Based Arm Action Using Convolutional Neural Network	In Signal and Image Processing Techniques for the Development of Intelligent Healthcare Systems, Springer, Singapore.	<a href="https://doi.org/10.1007/978-981-15-6141-2_13">https://doi.org/10.1007/978-981-15-6141-2_13</a> pp. 241-259	Book
4	Dr.E.Priya	Book Chapter	An Automated Approach for the Identification of TB Images Enhanced by Non-uniform Illumination Correction	In Signal and Image Processing Techniques for the Development of Intelligent Healthcare Systems, Springer, Singapore.	<a href="https://doi.org/10.1007/978-981-15-6141-2_14">https://doi.org/10.1007/978-981-15-6141-2_14</a>	Book

5	K.Jeyapiriya S.Gayathri & R.Anand(Industry)	International Journal	Ameliorate illegitimate Network Access By Packet Inspection	International Journal of Research and Analytical Reviews	(E-ISSN 2348-1269, P- ISSN 2349-5138) 5.75 Impact factor; Volume 7, Issue 4	Google scholar
6	S.Gayathri K.Jeyapiriya & J.Prakash	International Journal	Road Perlustration of potholes using smart road checking vehicle	International Journal of Research and Analytical Reviews	(E-ISSN 2348-1269, P- ISSN 2349-5138) 5.75 Impact factor; Volume 7, Issue 4	Google scholar
7	Ms.M.Methini	International Journal	Cost Effective Front Office Laser Interaction System using High Speed Dual Axis Galvomirror	The Journal of Green Engineering	2245-4586	Scopus
8	Ms.R.Chitra and Dr.E.Priya	International Journal	Energy Efficient Vital Signal Analyzer	The Journal of Green Engineering	2245-4586	Scopus
9	Mr.D.Senthil Kumar	International Journal	Secure analysis of non small cell lung cancer using radiographic images	Journal of Green Engineering	ISSN: 22454586	Scopus
10	Dr.J.Thamil Selvi	Book Chapter	Segmentation and validation of infrared breast images using weighted level set and phase congruency edge map	In book: Signal and Image Processing Techniques for the Development of Intelligent Healthcare Systems(Web of Science)	10.1007/978-981-15- 6141-2	Book
11	Ms.B.Panjavarnam	International Journal	Cognitive Approaches for QoS Enhancement of Medical Image Transmission over LTE	Tierärztliche Praxis –	ISSN: 0303-6286 pages:2324-2337	Google scholar

			Network			
12	Ms.V.Sasikala	International Journal	Smart Greenhouse By Using Arduino Mega and IoT	Solid state technology-International Journal	Annexure 1	Scopus
13	Ms.C.N.Savithri, Ms.R.Chitra&Ms.K.Jeyapiriya	International Journal	Region –Convolutional Neural Network For The InspectionOf Lymphoblastic Cells	International Journal of Future Generation Communication and Networking –	Vol. 13, No. 4, (2020), pp. 3278–3283	Scopus
14	Ms.K.Jeyapiriya, Ms.S.Rajalakshmi& Ms. V.Remya	International Journal	Mutil-Objective Optimization – A Topsis ApproachFor Of Edm Machining Of Biomaterials	European Journal of Molecular & Clinical Medicine-	ISSN 2515-8260 Volume 07, Issue 3, 2020	Scopus
15	Ms.K Jeyapiriya, Ms.S Gayathri, Ms.TSivasakthi	International Journal	A Filter less Method of Generating Frequency 32-Tupling Millimeter-Wave Using External Modulators for Green Communications and its Applications	Journal of Green Engineering	ISSN: 1904-4720 (Print) ISSN: 2245-4586 (Online); Volume 10; Issue 11	Wos
16	Ms.N.Nazeeya Anjum	International Journal	Design of Microstrip patch antenna with slotted ground and patch to support multiband applications	Journal of Xi an University of Architecture & Technology	ISSN 1006-7930, Vol: XII, Issue XII, Page No: 64-70	Google scholar
17	Mr.Alwin Vinifred. C	International Journal	Fast Synchronization of distributed generators with power grid under transient conditions using hybrod optimization algorithm	Optimal Control, Applications and Methods	DOI: 10.1002/oca.5697 17 December 2020	Wos

18	Ms. V A Velvizhi , Ms. K Jeyapiriya , Ms. S Gayathri & Mr. J Prakash	Book Chapter	Wireless Communications	Emerging Technologies in Engineering Research- Book Chapter	ISBN: 978-93-5419- 211-1 (Online)	Book
19	Ms.G.Sudha	Book Chapter	In-Memory Computing	Emerging Technologies in Engineering Research- Book Chapter	ISBN: 978-93-5419- 211-1 (Online)	Book
20	Ms.G.Sudha	Book Chapter	AI-powered Robotics and Covid-19: Challenges and Opportunities	Chapter 6, CRC Press,	Taylor & Francis Group, USA, 2020.	Book
21	Ms.S.Surya	International Journal	Hybrid facial test for encephalopathy	Materials Today: Proceedings	<a href="https://doi.org/10.1016/j.matpr.2020.12.879">https://doi.org/10.1016/j.matpr.2020.12.879</a>	Scopus
22	Ms V Remya	National Journal Publication	Smart Rescuer	Elementary Education Online	10.17051/ilkonline.20 20.04.765073	UGC
23	Ms.Anusudha T A	National Journal Publication	Real Time Health Monitoring System Through Iot Using Sensors	Elementary Education Online	10.17051/ilkonline.20 20.04.765073	UGC
24	Dr.M.Baskaran	National Journal Publication	Self-Learning Braille Application For Visually Impaired People	Elementary Education Online	10.17051/ilkonline.20 20.04.765073	UGC
25	Dr. Kanthimathi M	National Journal Publication	Post Surgery Pain And Position Monitoring Alert System	Elementary Education Online	10.17051/ilkonline.20 20.04.765073	UGC

26	Dr. Sumathi	National Journal Publication	Intelligent Automatic Decision Making Car Parking And Slot Allocation Management System Using Raspberry Pi	Elementary Education Online	10.17051/ilkonline.2020.04.765073	UGC
27	Ms.S.Gayathri , Mr.T.Sivasakthi , Ms.K.Jeyapiriya	National Journal Publication	Guiding System For Smart Shopping Of Visually Impaired People	Elementary Education Online	10.17051/ilkonline.2020.04.765073	UGC
28	Ms Shivaanivarsha N	National Journal Publication	Design Of Low Cost Autonomous Environment Cleaning Vehicle	Elementary Education Online	10.17051/ilkonline.2020.04.765073	UGC
29	Ms.Usha S	International Journal	Search Assistant Based Home Automation	International Journal Of Electronics, Communication & Instrumentation Engineering Research And Development (IJECIERD)	Trans Stellarissn(PRINT): 2249-684X; IMPACT FACTOR(JCC) (2020):	UGC Index Copernics Value (ICV) - (2016)
30	Ms.K.Subhashini	Book chapter	Design and Experimental investigation of Nanobots on cancer thereapy	Robotics and Automation	ESN publications 978-93-90781-09-6; vol 1/ first edition	Others -Asian book of Record
31	Dr.J.Thamil Selvi	Book Chapter	Modularity For Geometric Reconfiguration Of Robot Systems	Robotics and Automation	ESN publications 978-93-90781-09-6; vol 1/ first edition	Others -Asian book of Record
32	Ms.Methini M	Book Chapter	Technical analysis on visual tracking devices for robotic application	Robotics and automation book chapter	ESN publications 978-93-90781-09-6; vol 1/ first edition	Others - Asian Book of records

33	Ms.K.Jeyapiriya Ms.S.Gayathri	Book Chapter	Modeling and control of a Robot hand	Robotics and Automation	ESN publications 978-93-90781-09-6; vol 1/ first edition	others Asian Book of Records
34	Ms.Velvizhi V A	Book Chapter	Robotics and Automation	Robotics and Automation	ESN publications 978-93-90781-09-6; vol 1/ first edition	Others-Asian book of record
35	Ms V Remya	Book Chapter	Neurorobotics: A review from vision to action	Robotics and Automation	ESN publications 978-93-90781-09-6; vol 1/ first edition	Others -Asian book of Record
36	Ms.S.Rajalakshmi	Book Chapter	AI Based Robots for Medical Application	Robotics and Automation	ESN publications 978-93-90781-09-6; vol 1/ first edition	Others -Asian book of Record
37	Ms.Rajini A R	Book Chapter	Smart sensors available in an industrial robot	Robotics and Automation	ESN publications 978-93-90781-09-6; vol 1/ first edition	Others -Asian book of Record
38	Ms.Sasikala V	Book Chapter	Evaluation And Troubleshooting Of Tactile Sensors Available In Robotic Arm	Robotics and Automation	ESN publications 978-93-90781-09-6; vol 1/ first edition	Others -Asian book of Record
39	Ms.G. Sudha & Ms.S. Saranya	International Journal	Zigbee based Automation Systems for Homes with the Deployment of Smart Sensors	Materials Today: Proceedings	Elsevier <a href="https://doi.org/10.1016/j.matpr.2021.01.043">https://doi.org/10.1016/j.matpr.2021.01.043</a>	Scopus
40	Ms.S.Surya	Book Chapter	Mutlisensor Data Fusion Methods And Architecture	Robotics and Automation	ESN publications978-93- 90781-09-6; vol 1/ first edition	Others -Asian book of Record

41	Ms.B.Rajalakshmi	Book Chapter	Object identification and recognition technique in robotic vision	Robotics and Automation	ESN publications978-93-90781-09-6; vol 1/ first edition	Others -Asian book of Record
42	Ms.S.Gayathri	International Journal Publication	Hybrid facial test for encephalopathy	Materials Today: Proceedings	ESN publications978-93-90781-09-6; vol 1/ first edition	Scopus
43	Ms.Usha S	Book Chapter	Societal and Ethical Implications of Robotics	Robotics and Automation	ESN publications978-93-90781-09-6; vol 1/ first edition	Others -Asian book of Record
44	Dr.J.Arunarasi	Book Chapter	Computer Integrated Surgical Robots	Robotics and Automation	ESN publications978-93-90781-09-6; vol 1/ first edition	Others -Asian book of Record
45	Ms.R Chitra	International Journal	Digital Filter Implementation for Removal of Baseline Wander in ECG Signals	Springer, Singapore	<a href="https://doi.org/10.1007/978-981-15-8221-9_254">https://doi.org/10.1007/978-981-15-8221-9_254</a>	Scopus
46	Ms.Rajini A R	International Journal	Automatic Detection of Diabetic Retinopathy Using Support Vector Machine	Journal of Computational and Theoretical Nanoscience	American Scientific Publisher1546-1955	Scopus
47	Ms.G. Sudha & Ms.S. Saranya	International Journal	Driverless Vehicle for Garbage Collection	Materials Today: Proceedings	ELSEVIER <a href="https://doi.org/10.1016/j.matpr.2021.01.044">https://doi.org/10.1016/j.matpr.2021.01.044</a>	Scopus

48	Ms.G. Sudha & Ms.S. Saranya	International Journal	Variable Vehicle Speed Limiter for Accident Avoidance using RF and Light Fidelity (LiFi) Technology	International Journal of Future Generation Communication and Networking	SERSC - Science & Engineering Research Support society ISSN: 2233-7857 IJFGCN	SCOPUS
49	Dr.M.Baskaran, Ms. Jeyapiriya K & Ms.S.Gayathri	International Journal	U-shaped Monopole Antenna design with Defected Ground Structures for UWB Applications	International Journal of Disaster Recovery and Business Continuity	SERSC - Science & Engineering Research Support society ISSN: 2005-4289 IJDRB	Scopus
50	Dr.M. Kanthimathi, Ms. S Surya, Ms. B Rajalakshmi	International Journal	Performance analysis of multiuser MIMO OFDM systems incorporating feedback delay and feedback error	Journal of Physics: Conference Series	IOP Publishing 10.1088/1742-6596/1921/1/012012/1742-6588	scopus
51	Dr.E.Priya	Book Chapter	Optimization-based multilevel threshold image segmentation for identifying ischemic stroke lesion in brain MR images	Elsevier, Academic Press	ISBN: 9780128222713	Book
52	Ms.N.Shivaanivarsha	International Journal	Smart Relay for Monitoring and Controlling the Systems	International Journal of Engineering Research & Technology	<a href="https://www.ijert.org/?s=Smart+Relay+for+Monitoring+and+Controlling+the+Systems">https://www.ijert.org/?s=Smart+Relay+for+Monitoring+and+Controlling+the+Systems</a> 2278-0181	UGC
53	Ms.Jeyapiriya K & Ms.S.Gayathri	Book Chapter	Objective Of Feature Selection Techniques In Various Utilization	Recent Trends In Engineering And Technology	ISBN- 9788194714989	Book
54	Ms.K Subhashini	International	Numerical analysis of hip bone	Materials Today	Elsevier <a href="https://doi.org/10.101">https://doi.org/10.101</a>	Wos



		Journal	replacement design parameters	Proceeding	6/j.matpr.2021.03.119	
55	Ms.N.Shivaanivarsha	International Journal	Study and Analysis of the Effective Geometries for the Piezoresistive Pressure Sensors	Turkish Journal of Computer and Mathematics Education	<a href="https://doi.org/10.17762/turcomat.v12i6.1367">https://doi.org/10.17762/turcomat.v12i6.1367</a>	SCOPUS
56	Ms.G. Sudha & Ms.S. Saranya	Book Chapter	Home Automation Using Brain Wave Technology	Recent Trends In Engineering And Technology	ISBN-9788194714989	Book
57	Ms.G. Sudha & Ms.S. Saranya	Book Chapter	Communication Scheme Based On Blue Ray Optical Modems For Autonomous Marine Vehicles	Recent Trends In Engineering And Technology	ISBN-9788194714989	Book
58	Dr.J.Arunarasi	International Journal	Improved adaptive LMS algorithm for DS-CDMA Receiver over AWGN and fading channels	Solid State Technology	ISSN 0038-111X (online)	Scopus
59	Dr.J.Arunarasi	International Journal	Performance analysis of multi-user DS-CDMA using wavelet based diversity schemes	Tierärztliche Praxis	ISSN: 0303-6286	Scopus
60	Ms V Remya	Book Chapter	Flexible Devices	Recent Trends in Engineering And Technology	9788194714989.00	Book
61	Mr.K.Srinivasan	International Journal	Smart Trolley Using IOT	International science & Research Journals	ISR Journals & Publications. ISSN NO 2347-7210	UGC

62	Dr.M.Baskaran	International Journal	Design of 4*4 antenna array for breast cancer detection	Analog integrated Circuits and Signal Processing	Springer ISSN 0925-1030	Scopus
63	Dr.S.Sumathi	International Journal	Smart Trolley with Automatic Master Follower and Billing System and Communications Technologies	International Conference On Computer Networks, Big Data And IOT (Iccbi-2018) Book Series- Lecture Notes on Data Engineering	Volume 31,Page 778-791DOI 10.1007/978-3-030-24643-3_92 Published 2020	scopus
64	Dr.S.Brindha	International Journal	Analysis of Laser Line width on the Performance of Direct Detection OFDM Based Backhaul and Backbone Networks	Optical and Quantum Electronics(2020)	Vol 52, Article Number 273, Electronic ISSN 1572-817X	SCI
65	Mr.S.Vinoth Kumar	International Journal	Efficient Path Planning Of Auvs For Container Ship Oil Spill Detection In Coastal Areas	<u>Ocean Engineering</u> (2020)	Volume 217 DOI10.1016/J.Ocean eng.2020.107932	Wos
66	Dr.Sasikala V	International Journal	Performance Analysis Of Multilogic All-Optical Structure Based On Nonlinear Signal Processing In SOA	Journal Of Optics-India(May 2020)	Volume 49,Issue 2,Page 208-215DOI 10.1007/S12596-020-00608-4	Wos
67	Dr.Sasikala V	International Journal	Exploration Of Indispensible Properties Of Textile-Grade Glass Fibers/White Caustic Treated Banana Fiber Hybrid Composite	Materials Today- Proceedings(2020)	Volume 33,Page 2811-2813 Part7, DOI- 10.1016/J.Matpr.202 0.02.700	Wos

68	Dr.Kanthimathi. M	International Journal	Energy Efficient Decision Fusion For Differential Space-Time Block Codes In Wireless Sensor Networks	<u>Indian Journal Of Pure &amp; Applied Physics</u> (March 2020)	Volume58 ,Issue3 Page147-156	Wos
69	Ms.M.Shabana Parveen	Book	An Investigation On Performance Of Mobile RPL In Linear Topology Book Series:	Advances In Intelligent Systems And Computing(2020)	Volume: 1056 Page: 611-622 DOI: 10.1007/978-981-15-0199-9_53	Wos

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**ACADEMIC YEAR 2020-2021**  
**ELECTRONICS AND COMMUNICATION ENGINEERING**  
**CONFERENCE PUBLICATIONS**

S.No	Name of the Faculty	Name of Activity	Title of the Paper	Conference Name	Indexing/DOI
1	Dr S.Sumathi	International Conference	Mobile UV-C Sanitizer: IoT Based UV-C Disinfecting Device to Sanitize Public Places	10th International Online Conference on Impact of COVID-19 on Local & Global Economy & Recovery Strategies, In the proceedings of Impact of COVID-19 on Manufacturing and Services	Conference Proceeding  ISBN: 978-81-947149-6-5.June 2020, Pg. 178-182,
2	Dr.S.Sumathi , Panjavarnam B	International Conference	AutoImpilo: Smart Automated Health Machine using IoT to Improve Telemedicine and TeleHealth	IEEE International Conference on Smart Technologies in Computing, Electrical and Electronics, (ICSTCEE 2020)IEEE Xplore . DOI:10.1109/ICSTCEE49637.2020.9277223	Scopus  DOI: 10.1109/ICSTCEE49637.2020.9277223
3	Ms.R.Chitra	International Conference	Design of Smart Air Purifier Facial Mask	International Conference on Smart Technologies in Computing, Electrical and Electronics (ICSTCEE 2020)/IEEE Xplore Digital Library	Scopus  Electronic ISBN:978-1-7281-7213-2USB ISBN:978-1-7281-7212-5

4	Dr.J.ThamilSelvi	International Conference	An effective Drone surveillance system using Thermal imaging	International Conference on Smart Technologies in Computing, Electrical and Electronics (ICSTCEE 2020)/IEEE Xplore Digital Library	Conference Proceeding ISBN: 978-1-7281-7213-2
5	Ms.R.Chitra and Dr.E.Priya	International Conference	A Preliminary Step to Realise Digital Filter for Electrocardiogram Signal Denoising	Virtual International Conference on Futuristic Communication and Network Technologies	Scopus (VICFCNT 2020)
6	Ms.G. Shanthakumari & Dr E. Priya	International Conference	Interpretation of lung sounds using spectrogram - based statistical features	Virtual International Conference on Futuristic Communication and Network Technologies (VICFCNT 2020)	Scopus (VICFCNT 2020)
7	Dr.K.Lakshmi Joshitha	International Conference	Intelligent farming using delta robot	IEEE Conference - ICPECT 2020, Sri Sairam Engineering College	Scopus
8	Ms.N.Shivaanivarsha	International Conference	A Novel Approach for Monitoring Road Way Surface using CNN Classifier	International Conference on Power Energy, Control and Transmission Systems-	SCOPUS 10.1109/ICPECTS49113.2020.9337005
10	Dr S.Sumathi Ms B.Panjavarnam	International Conference	Opportunities of Adopting AI Powered Robotics to Tackle COVID 19	IEEE 13th International Conference on Scopus Annexure 1 Communication Systems & Networks (COMSNETS), 2020	Scopus IEEE Digital Library
11	Dr S.Sumathi Ms B.Panjavarnam	International Conference	Automatic Health Machine for COVID - 19 and other emergencies	IEEE 13th International Conference on Communication Systems & Networks (COMSNETS), 2020	Scopus EEE Digital Library

12	Ms V Remya	International Conference	Analysis of static power reduction techniques in shift registers	International Congress on Advances in material Science and Engineering (ICAMSE 2020)	Scopus Proceedings in Springer
13	Ms K Subhashini	International Conference	Automated Shelf Traversal and Object Retrieval System for Industrial and Commercial Warehouse Management	International Conference on IoT Based Control Networks and Intelligent Systems	SCOPUS
14	Dr.J.Thamil Selvi	International Conference	Investigation and Classification of Cardiotocography Data using Correlation Coefficient and PCA based Features	International Conference on IoT Based Control Networks and Intelligent Systems(ICICNIS)	Scopus SSRN digital library
15	Dr.Manikandan J	International Conference Presentation	Implementation of VLSI Based Efficient Lossless EEG Compression Architecture using Verilog HDL	International Conference on Emerging Trends in Science, Technology & Management	Proceedings in SSRN digital library
16	Dr K Lakshmi Joshitha	International Conference	Intelligent Farming Using Delta Robot	Virtual Ieee International Conference On Power, Energy, Control And Transmisson Systems - (ICPECTS 2020)	SCOPUS IEEE Digital Library 10.1109/ICPECTS49113.2020.9337002
17	Dr.Manikandan J	National Conference	Raspberry pi Based Sign language recognition System	Second national Conference on Smart Innovations in Communication and Computing	Conference Proceeding NCSICC-2021
18	Dr.Manikandan J	National Conference	IOT Based Smart Stretcher	Second national Conference on Smart Innovations in Communication and Computing (NCSICC-2021)	Conference Proceeding NCSICC-2021

19	Ms N Nazeeya Anjum	International Conference	A Novel Approach in Development of an Application to Enhance the Conventional Attendance System Using Opencv	1st International Conference for Women in Multifaceted Research - ICWMR 21	Conference Proceeding NCSICC-2021
20	Dr.Manikandan J	International Conference	Sign Language to Voice Recognition System Using Rasperry Pi	Second International Conference Samrt Automation In Computer, Electrical, Electronics & Communication Engineering (ICSA 2021)	Conference Proceeding SRM Valliammai Engineering College
21	Ms N Nazeeya Anjum	International Conference	IOT based Health Monitoring system with Voice Module	Second International Conference on Automation of Computer Electrical Electronics & Communication ICSA21	Conference Proceeding SRM Valliammai Engineering College
22	Ms.K Jeyapiriya	International Conference	Investigation on various aspects of rectenna for microwave applications	International Conference on Advanced Materials Behaviour & Characterization,	Conference Proceeding Mattest Research Academy, Chennai, Tamil Nadu
23	Ms.K Subhashini	National Conference	Early detection of respiratory illness	National Conference on Signal Processing, Communication and Networking(NCSPCN-2021)	Conference Proceeding Sri Venkateshwara College of Engineering, Sriperumbudur

24	Mr.Alwin Vinifred C	International Conference	Real Time Data Transmission In Underwater Using Li-Fi	2nd International Conference On Current Research In Engineering & Technology -ICCRET-2021	Conference Proceeding International Institute Of Research In Multidisciplinary – Skill Development Trust
25	Ms.N Nazeeya Anjum	National Conference	Solar Powered Multi Purpose Incubation System using Arduino	SILICON ' 21	Conference Proceeding Dr MGR Educational & Research Institute
26	Ms.Logeswari. N	International Conference	PV System based zeta converter with 3 phase inverter for high speed BLDC motor applications	ITDECC 21	scopus
27	Dr S.Sumathi	International Conference	Importance of Automatic Hand Sanitizers to Improve Health and Hygiene of Individuals During Pandemic	10th International Online Conference on Impact of COVID-19 on Local & Global Economy & Recovery Strategies, In the proceedings of Impact of COVID-19 on Education, Technology and Agriculture	Conference Proceeding ISBN: 978-81-947149-7-2.June 2020, Pg. 34-44

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