SRM VALLIAMMAI ENGINEERING COLLEGE
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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
PUBLICATION DETAILS(July 2022 - June 2023)

S.No	Author	Title of the paper	Name of the Journal / Conference	Volume & Issue No. page no.	Month & Year	Indexing
1	Sneha Basker, Soorya.S, Yuvaraj.S, Srinivasan.G, N.Usha Bhanu	Deep Learning based Secured Vehicle Number Plate Detection	Gradiva Review Journal	Volume 9 Issue 2 , 242-249	Feb-23	Scopus
2	Lokesh S and Udhayakumar.G	A novel deep neural network for detection of Atrial Fibrillation using ECG signals	Knowledge-Based Systems	258	Oct-22	SCI
3	T. Annalakshmi, S.Ramesh	Wearable Panda-Shaped Textile Antenna with Annular Ring-Defected Ground	Applied Computational Electromagnetics Society Journal	37, 5, 546-553	Nov-22	SCI
	V. Satheesh Kumar, S. Ramesh	Implementation of High-Q Embedded Band Pass Filter in Wireless Communication	Intelligent Automation & Soft Computing	36,2,2191-2200	Jan-23	SCI
	Joseph Charles Vinoth, Subramaniam	Planar Edged UWB Antenna for Water Quality Measurement	Progress In Electromagnetics Research C	130, 83-93	Feb 2023	Scopus
	Kayalvizhi Kaliaperumal,	A novel MIMO antenna with switchable UWB/5G modes for vehicular terminals	Microwave and Optical Technology Letters	pp.1-6. DOI: 10.1002/mop.33760	May 2023	SCI
	Kumaran Natesan, Ramesh	Bandwidth and frequency agile MIMO antenna for cognitive vehicular communications	International Journal of Communication Systems	pp.1-18. e5551,	May 2023	SCI
	Prasanan V., Ramesh S.	Design of C - Slot Based MIMO antenna for safety and non-safety applications of V2V	Fifth IEEE International Conference on Electrical, Computer and	pp. 1-7, doi:	Jul 2023	Scopus
	N. Kumaran, Ramesh S.	Meta Surface Inspired Compact CPW Antenna for 5G Wireless Communication	Fifth IEEE International Conference on Electrical, Computer and	pp. 1-5, doi:	Jul 2023	Scopus
	Reshmaja K Ramesh, S.Ramesh	Fishermen and Fishing Boat Monitoring System Using MIMO Technology and	5th International Conference on Smart Systems and Inventive Technology	pp. 161-165, doi:	Mar 2023	Scopus
	Jeyavarshini.K, Jeevapriya.H, Kaaviya.B, Kanimozhi.S, Ramesh.S.	DESIGN OF COMPACT Y-SHAPE ANTENNA FOR 5G SMARTPHONES	First IEEE International Conference on Networking and Communications 2023 (ICNWC 2023)	pp. 1-5, doi: 10.1109/ICNWC57852.2023.1012	May 2023	Scopus
	Ramesh S, Chitra S, Beulah Jackson, Sadiq Batcha Abdul Rahim	Wideband Microwave Antenna System for Non-Invasive Detection and Monitoring of Pulmonary Oedema	International Conference in Smart System Technologies and Applications (ICSSTA-2023)	-	Apr 2023	Scopus
	Ramesh S, Chitra S, Beulah Jackson, Asha	Design and Analysis of Conformal Antenna with Defected Ground Structure for 5G Personal Applications	International Conference in Smart System Technologies and Applications (ICSSTA-2023)	-	Apr 2023	Scopus
	Anitha.E, Arunaa.M.S, Deenadhayalan.A, Dhanush Vardhan.S, Ramesh.S	A Comprehensive Survey on ESAs for Vehicular Communications	International Conference on Emerging Technologies in Communication and Signal Processing (ICETCSP 2023)	pp.198-202	Apr 2023	-
4	E. Arish Krishna, G. Abinesh K. Akash, P.Aravinth, N. Subhashini	Healthcare System for Scheduled Medicine Dispensing and Reminder for Elderly People	International Conference on Recent Advances in Engineering, Science and Technology		Mar 2023	
	N.Subhashini, Archanaa. SA, A.Balaji,	Health care model prediction using AdaBoost Classifier algorithm	Springer International Conference on Artificial Intelligence, Blockchain, Computing and Security		Feb 2023	Scopus
	Saravanakumar C, Sivanantham P, Sowmiya P, Sasikala A, Syed Nasruddin S, Subhashini N	The Meritorious Effects of Machine Learning Algorithms in Assessment of Power Consumption by Arithmetic Circuits in IC Design	2023 Fifth International Conference on Electrical, Computer and Communication Technologies		Feb 2023	Scopus
	Dr.V. Suresh Kumar, Dr.N. Subhashini, Mr. C. Saravana kumar, Mr. S. Marirajan	Review and Analysis of Coding Schemes for Test data compression	Harbin Gongye Daxue Xuebao/Journal of Harbin Institute of Technology	Volume - 54. Issue :12,	Dec 2022	Scopus
	N.Subhashini , Komala James	Impedance Matched Energy Harvesting From Radio Frequency Signal In An Indoor	National Conference on Innovative Trends in Communication and Technology		Sep 2022	
5	Dr.V. Suresh Kumar, Dr.N. Subhashini, Mr. C. Saravana kumar, Mr. S. Marirajan	Review and Analysis of Coding Schemes for Test data compression	Harbin Gongye Daxue Xuebao/Journal of Harbin Institute of Technology	Volume - 54. Issue :12,	Dec-22	Scopus
	P.G. Palanimani; Jenifer Jothi Mary A; V. Suresh Kumar	A novel approach for detection of diabetes patients using machine learning techniques	2022 International Interdisciplinary Humanitarian Conference for Sustainability (IIHC)	10.1109/IIHC55949.2022.1005967	March 2023	Scopus
	Dr. V. Suresh Kumar	Design and implementation of automatic speed control of ceiling fan through PWM technique with optocoupler to reduce energy consumption	International conference on Recent Trends in Data Science and its Applications (ICRTDA-2023)	-	30-31 March 2023	Scopus
	Tamilarasan S, Swetha M, Umesh V, Sunil Kumar P, Dr. V. Suresh Kumar	Implementtaion of Modified High-Speed 32-bit Vedic Multiplier in FPGA	International conference on Emerging Technologies in Communications and Signal Processing(ICETCSP-2023)	-	5 th April 2023	-
	Suresh Kumar V, Sree Rethanya k, Shameer Hussain S, Siva Sankar S, Sriram E.	Innovative Wate Management Solutions for Smart Cities Using IoT & NodeMCU	RECENT ADVANCES IN ELECTRICAL, ELECTRONICS, UBIQUITOUS COMMUNICATION AND COMPUTATIONAL INTELLIGENCE (RAEEUCCI - 2023)	-	19-21 April 2023	Scopus
6	C. Amali; R. Rajesh; J. Sai Abrameyan; G. Raiasekar; N. Mohammed Muhaseen	Versatile Surveillance Bot: for Remote Monitoring in Hazardous Places	2022 International Conference on Augmented Intelligence and Sustainable Systems (ICAISS)	pp. 148-152, doi: 10.1109/ICAISS55157.2022.10011049.	24-26 November 2022	Scopus
	K.Durgadevi, C.Amali, R.Karthik	Implementation of PFC Bridgeless-Zeta Converter with FOPID using Improved PSO Algorithm	2023 Third International Conference on Artificial Intelligence and Smart Energy (ICAIS), Coimbatore, India, 2023	pp. 327-331, doi: 10.1109/ICAIS56108.2023.100737	Mar-23	Scopus
	C. Amali, R. Rajesh, J. S. Abrameyan, G. Rajasekar and N. M. Muhaseen	An Enhanced Hybrid Machine Learning Model for Diagnosis of Parkinson's Disease	2023 International Conference on Innovative Data Communication Technologies and Application (ICIDCA),Uttarakhand, India	pp. 198-202, doi: 10.1109/ICIDCA56705.2023.10099917	April 2023	Scopus
7	S. Senthilmurugan, K. Gunaseelan	Fin Field Effect Transistor with Active 4-Bit Arithmetic Operations in 22 nm Technology	Intelligent Automation & Soft Computing	volume.35, Issue No.2, 1323 - 1336	Jul-22	SCI

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8	C Saravanakumar, S Logapriya, E Madhumitha, M Logesh, V Malini	Experimental Validation of No-Touch Switch for Automation System	3rd International Conference on Electronics and Sustainable Communication Systems (ICESC)	10.1109/ICESC54411.2022.9885255	August 2022	Scopus
	AP Abirami, K Asritha, M Durga, C Saravanakumar	A Time Varying Capacitance as Load to Study Area Efficient Arithmetic Circuits	Second International Conference on Advances in Electrical, Computing, Communication and Sustainable Technologies (ICAECT)	10.1109/ICAECT54875.2022.9807971	July 2022	Scopus & WoS
	Dr.V. Suresh Kumar, Dr.N. Subhashini, Mr. C. Saravana kumar, Mr. S. Marirajan	Review and Analysis of Coding Schemes for Test data compression	Harbin Gongye Daxue Xuebao/Journal of Harbin Institute of Technology	Volume - 54. Issue :12,	Dec-22	Scopus
	Saravanakumar C, Sivanantham P, Sowmiya P, Sasikala A, Syed Nasruddin S, Subhashini N	The Meritorious Effects of Machine Learning Algorithms in Assessment of Power Consumption by Arithmetic Circuits in IC Design	2023 Fifth International Conference on Electrical, Computer and Communication Technologies		**Feb 2023**	Scopus
	Rashmita Khilar; B.T. Krishna; S. Usha; I. S. Chakrapani; Abdul Rahman H Ali; Saravanakumar C	Analyzing the Occurrence of Stroke using Machine Learning-A comparative Study on Supervised Learning Models	2022 International Conference on Knowledge Engineering and Communication Systems (ICKES)	10.1109/ICKECS56523.2022.10060744	March2023	Scopus
	Saravanakumar Chandrasekaran & Usha Bhanu Nageswaran	A mutated addition–subtraction unit to reduce the complexity of FFT	Applied Nanoscience	10.1007/s13204-021-02278-5	Apr 2023	SCIE & Scopus
	P. Lalitha Kumari, Santanu Das, B. Kannadasan, Niranjana Sampathila, C. Saravanakumar, Rohit Anand & Ankur Gupta	Methodology for Classifying Objects in High-Resolution Optical Images Using Deep Learning Techniques	Lecture Notes in Electrical Engineering	10.1007/978-981-19-8865-3_55	May 2023	Scopus
	SPR Borra, R Sandiri, P Nalajala, S Majji, Saravanakumar C, KR Chandra	Towards Human - like Robotic Grasping for Industrial Applications usign Computer Vision	6th International Conference on Intelleligent Sustainable Systems	10.1007/978-981-99-1726-6_13	Jun 2023	Scopus
	Usha Bhanu N; Saravanakumar C	Investigations of Machine Learning Algorithms for High Efficiency Video Coding (HEVC)	2023 International Conference on Signal Processing, Computation, Electronics, Power and Telecommunication (IConSCEPT)	10.1109/IConSCEPT57958.2023.10170546	July2023	Scopus
9	S. Abirami, Dr. M. Murugan, Dr. S.R Preethi	An Exploration about Frameworks Based on Green Internet of Things	International Conference on Signal Processing, Computation, Electronics, Power and Telecommunication (IConSCEPT)	DOI: 10.1109/IConSCEPT57958.2023.1	Jul-23	Scopus
	Preethi Sambandam Raju, Ksheeraja. S, Ragul. V, Lakshmi Priya. S and Menaga. B	Green IoT Framework for Deep Forest Surveillance	International Conference on Signal Processing, Computation, Electronics, Power and Telecommunication (IConSCEPT)	DOI: 10.1109/IConSCEPT57958.2023.10170393	Jul-23	Scopus
	A. S. Anshy Princella , V. Aarthi, S. Aruldeepan & S. R. Preethi	GSM Based Air Quality Monitoring And Alert System	International Conference on Emerging Technologies in Communication and Signa		April 23	
	Preethi Sambandam Raju, Revathi Arumugam Rajendran, Murugan Mahalingam	A Deep Exploration of Imaging Diagnosis Approaches for IoMT-Based Coronavirus Disease of 2019 Diagnosis System–A Case Study	Cognitive Computing for Internet of Medical Things	10.1201/9781003256243-10	**December 2022**	Scopus
10	Prasanan V., Ramesh S.	Design of C - Slot Based MIMO antenna for safety and non-safety applications of V2V	Fifth IEEE International Conference on Electrical, Computer and	-	Feb 2023	Scopus
11	K. Arthi, B. Chidhambararajan, A. R. Revathi	A Deep Investigation of Architectural Elements and Computing Technologies for Internet of Medical Things	International Conference on Electronics, Communication and Aerospace Technology (ICECA 2022)	548 - 555, ISBN: 978-1-6654-8270-7	Dec 2022	IEEE
12	K.Durgadevi, C.Amali, R.Karthik	Implementation of PFC Bridgeless-Zeta Converter with FOPID using Improved PSOAlgorithm	IEEE International Conference on Artificial Intelligence and Smart Energy (ICAIS 2023)	331-335, 978-1-6654-6215-0	February 2023	IEEE
	Sandhya V. P, S.Vanila, K. Durgadevi, K. Sobana	PREDICTIVE METHODS FOR HEART DISEASE USING BIVARIATE ANALYSIS	CIMS- Computer Integrated Manufacturing Systems	779-789, Vol. 28 No. 12	December 2022	SCOPUS
13	S. Abirami, Dr. M. Murugan, Dr. S.R Preethi	An Exploration about Frameworks Based on Green Internet of Things	International Conference on Signal Processing, Computation, Electronics, Power and Telecommunication (IConSCEPT)	DOI: 10.1109/IConSCEPT57958.2023.10170393	Jul-23	Scopus
14	M. BASKARAN, K. JEYAPIRIYA, S. PRASATH KUMAR, S. SEVAGAN	Cascade configuration of two dual parallel polarization modulators with frequency 16 tupling for photonic signal generation	Optoelectronics and Advanced Materials - Rapid Communications	Vol. No:16; Issue:7-8; Page No:281-28	August 2022	SCIE
15	Sarosh Ahmad, Shuvra Barua, Charles Vinoth, Ayesha Akram, Bilal Manzoor	**Design of a Dual-Band Printed Monopole Antenna for ISM Band Applications**	IEEE Wireless Antenna and Microwave Symposium (WAMS)	pp. 1-5,	Jun-22	Scopus
	Joseph Charles Vinoth, Subramaniam Ramesh, et al.,	Planar Edged UWB Antenna for Water Quality Measurement	Progress In Electromagnetics Research C	130, 83-93	Feb 2023	Scopus