



SRI MANAKULA VINAYAGAR
ENGINEERING COLLEGE
(AN AUTONOMOUS INSTITUTION)
PUDUCHERRY

**DEPARTMENT OF
ELECTRONICS AND COMMUNICATION ENGINEERING**

PUBLICATIONS

Journals | Conferences | Book Chapters

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

List of Publications in AY 2022-23

Number of Publication in National / International Journals	24
Number of Publication in International Conferences	12
Number of Books / Book Chapters	1

NATIONAL / INTERNATIONAL JOURNALS FOR 2022-2023:

Sl.No	Title of the Paper	Name of the Authors	Name of the Journal	Vol, Issue, pp, Year /ISSN	Indexing / UGC /Scopus/ SCI
1.	Tunable Optimal Dual Band Metamaterial Absorber for High Sensitivity THz Refractive Index Sensing	Madurakavi K Pradeep J Sitharthan R, Shanmuga Sundar D Thamizharasan S Manimaran P	Nanomaterials	Vol.12, No.15, PP.2693-1- 11,2022/20 79-4991	SCI
2.	Implementation of charge plasma based dopingless multi bridge channel MOSFET for enhanced performances	S. Ashok kumar, J.CharlesPravin, V.Sandeep, R.Sridevi	Physica E: Low-dimensional Systems and Nanostructures	Vol.147,PP. 115619, 2023 / 1386-9477	SCI
3.	Effect of Work Function Tuning over the Device Characteristics of GAA SNSTFT	Jenyfal Sampson, Sivakumar P. Velmurugan S. P. Ashok kumar S.	Silicon	Vol.15,PP.3 201-3214,2022/ 1876-9918	SCI
4.	Implementation and Analysis of an L-Shaped Tunnel Field Effect Transistor by Incorporating Gate and Oxide Engineering	R. Dhanush, S. Ashok kumar, V. Logisvary	Journal of Nano- and Electronic Physics	Vol.14 No.05,0501 5(4pp),2022 /2077-6772	Scopus
5.	Active Noise Cancellation for Acquiring Desired Informative Audio by Suppressing the Unwanted Noise Distortion	P.Raja, S. Dhivya	Neuroquantology	Vol.20, No .11,PP.535 8-5375,2022/ 1303-5150	Scopus
6.	Performance of MIMO MC-CDMA System with Relay using Adaptive Pilot Channel Estimation	N. Tamilarasan, S. B. Lenin, L. Nithyanandan	Journal of The Institution of Engineers (India): Series B	Vol.103, PP.1699-1706,2022/ 2250-2114	Scopus
7	Performance Analysis of	P.Raja	Journal of	Vol.15,	Scopus

Sl.No	Title of the Paper	Name of the Authors	Name of the Journal	Vol, Issue, pp, Year /ISSN	Indexing / UGC /Scopus/ SCI
	Charge-Plasma based doping less Nano Wire Field Effect Transistor for Sub 10 nm	Mohamed Faisal Naveen Chander Prakash. V	Nano- and Electronic Physics	No.03,0303 1(3pp) 2023/2077-6772	
8	Enhanced Recognition System for Diabetic Retinopathy Using Machine Learning And Deep Learning Techniques	J. Pradeep Erick Jeffery.N Nasser Hussain. J Saranraj.M	Journal of Population Therapeutics and Clinical Pharmacology	Vol.30, No.11, Pg.452-466,2023, 2561-8741	Scopus
9	Performance analysis of incorporating buried metal layer in junction less multichannel field effect transistor	S. Ashok Kumar Roshan Solomon Thirumurugan.T Dhanraj	Journal of Nano- and Electronic Physics	Vol.15, No.02,PP.0 2007(4pp)/ 2023,077-6772	Scopus
10	Analysis and rectification of unwanted triggering of silicon Controlled rectifier (SCR) in online uninterruptible power Supply	Jayanthi S, Anusree Manoj , Deepika S, Nivethitha D, Kaniya Kayathiri V	Journal of Data Acquisition and Processing	Vol.38, No:01,PP. 4654-4666,2023, 1004-9037	Scopus
11	Prediction of Heart Disease using Hybrid of CNN-LSTM Algorithm	S.Pushparaj Sanjay N Sivasankaran. M ThamizhChemmal	Journal of Survey in Fisheries Sciences	Vol.10,No. 1S, PP. 5700-5710/2023, 2368-7487	Scopus
12	Power lines and lane Detection using deep learning based yolo V5 algorithm for smart agriculture	R.Gayathri, K.Sneha, T.Shakila, K.Thatchitha , V.Saumya	Journal of Data Acquisition and Processing	Vol.38, No.: 1,PP.4667-4679,2023, 1004-9037	Scopus
13	A random forest algorithm based dark objects visualization	N.Jothy, R.Manibharathi, T.Sivaraj, V.Srivinvas	Journal of Data Acquisition and Processing	Vol.38, No. 2,PP. 405-415,2023, 1004-9037	Scopus
14	Design of long range MI-WI based borewell child rescue system	N.Jothy , S.Ranjith, J.Rajesh, S.Surjith	Journal of Data Acquisition and Processing	Vol.38, No. 01, PP.4704-4713,2023, 1004-9037	Scopus
15	Reduction of fouling noise in an automobile alternator by Qualitative analysis using shainin Doe technique to eliminate Wedge paper protrusion	C.Janani Aishwarya.L.S Maithili.S Praveena.P Deepa Natesan	Journal of Data Acquisition and Processing	Vol.38, No.01,PP.4 876-4884,2023, 1004-9037	Scopus
16	ECG signal Processing using code recombination algorithm	Logisvary.V Raghavendra.R RiyazAhamad. S Fleming Roland. P	Journal of Data Acquisition and Processing	Vol.38, No.01,PP. 4714-4725,2023, 1004-9037	Scopus
17	Hybrid handwritten text recognition system using Convolutional neural network and recurrent neural Network	J.Pradeep M. Harikirshnan Sri Ram. R Thanush. M Prasanth.K.N	Journal of Data Acquisition and Processing	Vol.38, No.02, PP. 431-440,2023, 1004-9037	Scopus
18	A Custom YOLO v5- based	V. Bharathi	Journal of	Vol.38,	Scopus

Sl.No	Title of the Paper	Name of the Authors	Name of the Journal	Vol, Issue, pp, Year /ISSN	Indexing / UGC /Scopus/ SCI
	Real-Time Fire Detection System: A Deep Learning Approach	Vishwaa. M Elangkavi.K Hari Krishnan.V	Data Acquisition and Processing	No:02, PP. 441-452,2023, 1004-9037	
19	Design and implementation of a gsm-based child rescue system For earthquake emergencies using raspberry pi	R. Kurinjimalar Kugan.A Vineeth. R BallaVeeraVenkata Durga Prasad	Journal of Data Acquisition and Processing	Vol.38, No.02, PP. 370-381,2023, 1004-9037	Scopus
20	Traffic sign identification and recognition system using deep Neural network	R. Gayathri Hemamalini .S Harini.K BangayarSelvi N.G Akshaya.I Deepa Natesan	Journal of Data Acquisition and Processing	Vol.38, No.01, PP. 4680-4691,2023, 1004-9037	Scopus
21	Multisensory helmet alerting system through drowsiness Detection of vehicle drivers	R.Kurinjimalar Vigneshvar. V Gokulakrishnan.K.S Aravind G	Journal of Data Acquisition and Processing	Vol. 38, No. 02, PP.2195-2207 ,2023, 1004-9037	Scopus
22	lot Based Tele-Assistance And Monitoring Of Heart Patients	A.Jayachitra Snega.R Swetha.A Nachellai.I	Journal of Data Acquisition and Processing	Vol. 38, No: 01, PP.4692-4703,2023. 1004-9037	Scopus
23	An Astute Text Converter for Visually Impaired People using Morse Code and Atmega Microcontroller	S.Dhivya Sermalakshmi.P Yuvalatchumi.S Santhiya.V	A Journal for New Zealand Herpetology	Vol. 12, No. 02, PP.1286-1295,2023, 2230-5807	UGC
24	A Novel Approach to Prevent Accidents by using IoT System	S.Dhivya Kaviya.M Harshavardhni. A Dhevipriyanka. S	A Journal for New Zealand Herpetology	Vol. 12, No. 02, PP.1272-1285,2023, 2230-5807	UGC

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NATIONAL / INTERNATIONAL CONFERENCE FOR 2022-2023:

Sl. No	Title of the Paper	Name of the Authors	Name of the Conference	Year of Publication	ISBN / ISSN	Publisher
1	Complexity Reduction by Signal Passing Technique in MIMO Decoders	Ramya Jothikumar Rangasamy N.	Proceedings of Fourth International Conference on Computer and Communication Technologies	2023	978-981-19-8563-8/2367-3370	Springer
2	Smart Diabetic Footwear	N.Jothy, R.Gayathri, S.Hemamalini, K.Harini,	International Conference on Innovative and Cutting Edge Technologies in Electrical , Electronics, Computer Engineering and Information Technology (ICICEECI'22)	2023	9789357-801997	Conference Proceedings
3	Automated Fault Detecting and Monitoring System of Transmission Line Power Systems	S.Dhivya, R.Priya, R.Priyadharshni	International Conference on Innovative and Cutting Edge Technologies in Electrical , Electronics, Computer Engineering and Information Technology (ICICEECI'22)	2023	9789357-801997	Conference Proceedings
4	New Advances in Image Recognition use Deep Learning	P. Srividhya K. Dhanasekaran	International Conference on Innovative and Cutting Edge Technologies in Electrical , Electronics, Computer Engineering and Information Technology (ICICEECI'22)	2023	9789357-801997	Conference Proceedings
5	DSP Control For Brushless DC Motor using CCS Studio	S. Ganesan S. Dhivya B. Menaga	International Conference on Innovative and Cutting Edge Technologies in Electrical , Electronics, Computer Engineering and Information Technology	2023	9789357-801997	Conference Proceedings
6	Artificial Intelligent Based Image Segmentation to Detect Covid-19	K. Dhanasekaran P. Srividhya S. Ganesan	International Conference on Emerging Innovative Technologies	2022	978-93-94743-08-3	Conference Proceedings

Sl. No	Title of the Paper	Name of the Authors	Name of the Conference	Year of Publication	ISBN / ISSN	Publisher
			Engineering			
7	Comparative Investigation of Diverse Controller for the Temperature Control of Coating Plant Air Conditioner	Janani Chandran Kala Hariharan NithyaRani N	International Conference on Emerging Innovative Technologies in Engineering	2022	978-93-94743-08-3	Conference Proceedings
8	Efficient and deployable smart farm processing system using machine learning	V. Logisvary N.Jothy	International Conference on Emerging Innovative Technologies in Engineering	2022	978-93-94743-08-3	Conference Proceedings
9	Detection and Recognition of Unclear Vehicle Number Plate Using YOLOV5 Algorithm	N. Jothy.N, R. Gayathri. V. Logisvary	International Conference on Emerging Innovative Technologies in Engineering	2022	978-93-94743-08-3	Conference Proceedings
10	Extraction of Chitosan from Shrimp Shell and Stem Juice from Musa Paradisiaca Blended with Polyvinyl Alcohol for Wound Healing Application	N. Tamilarasan S. B. Lenin R. Piyadharshni	International Conference on Emerging Innovative Technologies in Engineering	2022	978-93-94743-08-3	Conference Proceedings
11	A Scruntiny On Diversified Techniques For Air Pollution Level Detection Based On IoT Applications	S. Dhivya K.Vijayakumar S.Nigithadharshini	International Conference on Emerging Innovative Technologies in Engineering	2022	978-93-94743-08-3	Conference Proceedings
12	Detection of Corona Virus using Deep Learning	A. Jayachitra	Fourth conference on Communication systems (NCOCS-2022)	2022	Nil	Conference Proceedings

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BOOK / BOOK CHAPTERS FOR 2022-2023:

Sl.No	Title of Book / Book Chapter	Name of the Authors	ISBN / ISSN	Publisher
1	Integrating Artificial Intelligence an Machine Learning with Blockchain Security. Chapter – 1(Blockchain in Healthcare Security with Artificial Intelligence)	Gayathri.R, Jothy.N, Geethalakshmi.T	978-1-5275-3011-9	Cambridge Scholars Publishing