



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 AY 2021-22

Number of Publication in National / International Journals	24
Number of Publication in International Conferences	11
Number of Books / Book Chapters	9

NATIONAL / INTERNATIONAL JOURNALS FOR 2021-2022:

Sl.No	Title of the Paper	Name of the Authors	Name of the Journal	Vol, Issue, pp, Year /ISSN	Indexing / UGC /Scopus/ SCI
1	Automated Detection and Classification of Breast Cancer Nuclei with Deep Convolutional Neural Network	Shanmugham Balasundaram, Revathi Balasundaram, Ganesan Rasuthevar, Christeena Joseph, Annie Grace Vimala, Nanmaran Rajendiran, Baskaran Kaliyamurthy	Journal of ICT Research and Applications	Vol. 15, No. 2, 2021, 139-151 (M)	Scopus
2	QOS aware and secured routing algorithm using machine intelligence in next generation VANET	Jothy Nadarajan, Jayanthi Kaliyaperumal	International Journal of System Assurance Engineering and Management	2021, doi: 10.1007/s13198-021-01076-0	SCI
3	ECG Analysis and Arrhythmia Classification using Narrowband Frequency Signal	Dr.R.Ramya, Dr.A.Jayachitra, M.Vidhya Bharathi	Turkish Journal of Computer and Mathematics Education	Vol.12 No.10, 2021, 3281-3289	UGC
4	Design and Implementation of Portable Signal Generator using AVR and Android App	Dr.R.Ramya, Dr.A.Jayachitra, S. Priyadharshini	Turkish Journal of Computer and Mathematics Education	Vol.12 No.10 2021, 3274-3280	UGC

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5	High throughput token driven FSM based regex pattern matching for network intrusion detection system	S. Nagaraju B. Shanmugham, K. Baskaran	Materials Today: Proceedings	2021, 2214-7853	Scopus
6	A Compact Two Sleeve Microstrip Patch Rectenna System For Ambient RF Energy Harvesting	Dr.N.Saranya Kesavamurthy Thangavel	International Journal of Engineering Research & Technology (IJERT)	Vol. 10 No 06, Pg: 716-723, 2021 ISSN: 2278-0181	UGC
7	Investigation of Quantum Mechanical Effects in Black gated Molybdenum Disulfide Transistor	R.Sridevi, J.Charles pravin, A.Ramesh babu, S.Ashok Kumar	Physica E: Low-Dimensional Systems and Nanostructures	Vol 14 ,Pg: 12185- 12190,2022,	SCI
8	An Energy-Efficient Key Management Scheme using Trust Model for Wireless Sensor Network	P. Raja, D.Sakthikumaran	TELKOMNIKA Indonesian Journal of Electrical Engineering	Vol.4, No.41, pp. 701 ~ 708, 2021	UGC
9	A Compact Hexagonal Structured Dual Band MIMO Antenna for Fixed WiMAX Application	S.Pushparaj, M.Abdul Kalam Azaad	International Journal of Engineering Research & Technology (IJERT)	Vol. 2 ,No 8,Pg 1813- 1820, 2021 ISSN: 2278-0181	UGC
10	Appraisal of QoS Metrics of DSR/AODV/RPAR Protocols in Wireless Multimedia Sensor Networks	V.Logisvary, D.Tamilselvi	IOSR Journal of Electronics and Communication Engineering (IOSR-JECE)	Vol10, No 4, PP 37- 45,2021, ISSN: 2278-8735	UGC
11	Detection of Malicious Nodes in Densely Populated Wireless Sensor Network Using Mobile Agents	Dr.A.Vijayalakshmi, Dr.A.Jayachitra	International Journal of Engineering Research & Technology (IJERT)	Vol. 2 No 10,Pg 2543- 2547,2021, ISSN: 2278-0181	UGC
12	Design and Implementation of Gesture Controlled Robotic Arm for Industrial Applications	J. Pradeep, M.Harikrishnan	International Journal of Advanced Scientific Research & Development	Vol. 03, No:04, ,pp. 202 – 209,2021, e-ISSN: 2395-6089 p-ISSN: 2394-8906	UGC
13	Achieving Better QoS Using Outage-Capacity Based Adaptive Relaying In LTE-Advanced Networks	R.Kurunjimalar, K.Chandralekha	International Journal of Applied Engineering Research	Vol. 10 No.1 (2021) pp. 145-150, ISSN 0973-4562	UGC

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14	A Novel Implementation Of High Speed Multiplier Using Brent Kung Carry Select Adder	C.Janani ,A.Thivya	Innovations in information Embedded and Communication Systems	Vol. 13 (special issue on) Pp. 107 - 111 (2021)	UGC
15	Discontinuous reception technique for power saving in LTE	C.Pragadesshvaran, P.Arunagiri	International Journal of Advanced and Innovative Research	Vol 3 Issue 2,Pg 265-269,2021, (2278-7844)	UGC
16	Security in MANET Against DDoS Attack	A.R.Aysha, K.Vijayakumar	International Journal of Computer Trends and Technology (IJCTT)	Vol 7 No 1,Pg 47-51 , 2022, ISSN: 2231-2803	UGC
17	A Hybrid Combination of Navigation and Path Selection Algorithm for Controlling AGV	S.Jayanthi	International Journal of Engineering Research & Technology (IJERT)	Vol. 5 No 03, Pg 664-668,2022 ISSN: 2278-0181	UGC
18	QoS Improvement in Wireless Networks Using Directional Antennas	K.Archana, R. Kurunjimalar	International Journal Of Electronics & Communication Technology	Vol. 5, No.1,Pg: 95-107,2022, ISSN : 2230-7109 (Online) ISSN : 2230-9543 (Print),	UGC
19	Video Forgery Detection : A Generic View	S.Dhivya	International Journal of Scientific Research and Engineering Development	Vol 5,Issue 2,Pg No 514, 2022, ISSN 2581-7175	Web of Science
20	Recognition of License Plate Numbers Using Image Processing Technique and Genetic Algorithm	Dr. R.Ramya, Girijaadevi.A	International Journal of Engineering Research and General Science ISSN 2091-2730	Vol 3, No 2, Part 2, Pg-438-445,2022, ISSN 2091-2730	UGC
21	Detection of Packet Dropping and Modification in Wireless Sensor Network	A.Vijayalakshmi, R.Kurunjimalar, G.Jayapriya	International Journal of Computer Science & Engineering Technology (IJCSET)	Vol. 4 No. 04 ,2022,Pg:416-422 , ISSN : 2229-3345	UGC
22	An enhanced lossless image compression based on hierarchical prediction and context adaptive coding	Dr.N.Jothy,S.Rubiya Fathima	International Journal of Applied Engineering Research	Vol. 10 No.1 (2022) pp. 135-139,2022, ISSN 0973-4562	UGC

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23	Clock Antifuse based Sensor for Effective Recognition of Recycled Ics	P.Raja,Sreeram.R	International Journal of Applied Engineering Research	Vol 10, No 3,Pg:134-134 (2022), ISSN 0973-4562	UGC
24	Efficient Interference Alignment Technique For A Two- Tier Cellular System	R.Kurinjimalar, B.Roja	International Journal of Applied Engineering Research	Vol. 10 No.1 (2022) pp. 151-156 ISSN 0973-4562	UGC

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NATIONAL / INTERNATIONAL CONFERENCE FOR 2021-2022:

Sl. No	Title of the Paper	Name of the Authors	Name of the Conference	Year of publication	ISBN / ISSN	Publisher
1	Improving the networks lifetime of MANETS through DEL-CMAC	C.Janani, H.Kala, S.Anu Roopa Devi	International Conference on Machine Intelligence and Green Computing (ICMIGC'21)	2021	-	Conference Proceedings
2	Identifying Lethal Effects and Risk Level Using an Improved Classification Technique	V.Deepak,P. Srividdhya,M, Muthumari,R. Shameli,S. Narmadha Devi	Proceedings of International Conference on Data Science and Applications, DOI: 10.1109/ICIRCA51532.2021.9544708	2021	978-9811653476	IEEE Xplore
3	Automatic railway detection and tracking Inspecting system	J.Pradeep, M.Harikrishnan, K.Vijayakumar	Proceedings of International Conference on Data Science and Applications" ICDSA 2021	2021	978-981-16-5120-5.	IEEE Xplore
4	Early Diagnosing and Identifying Tool for Specific Learning Disability using Decision Tree algorithm	A.Devi Dr.G.Kavya M.Julie Theresa R.Gayathri	International Conference on Inventive Research in Computing Applications (ICIRCA 2021)	2021	978-1-6654-4604-4	IEEE Xplore
5	A Phase Offset Reduction in MIMO-UFMC Selective Mapping Technique for PAPR	A.Devi M. Julie Therese P. Dharanyadevi I.Sruthi,	Fifth International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC)	2021	978-1-6654-2642-8	IEEE Xplore
6	Concealment of Data with MSB using Modified Secure Hash Algorithm	P. Srividdhya K. Dhanasekaran	International Conference on Recent Advances in Deep Learning	2021	22780181	Conference Proceedings

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7	Crop Yield Management System Using Machine Learning Techniques	Senthilnayaki B Narashiman D Mahalakshmi G Julie Therese M Devi A Dharanyadevi P	IEEE International Conference on Mobile Networks and Wireless Communications (ICMNWC)	2021	978-1-6654-3883-4	IEEE Xplore
8	IoT Based Food Grain Wastage Monitoring and Controlling System for Warehouse	A.Devi M. Julie Therese P. Dharanyadevi K. Pravinkumar	International Conference on System, Computation, Automation and Networking (ICSCAN)	2021	978-1-6654-3986-2	IEEE Xplore
9	Rotation Scheme Based Power Consumption Analysis for Wireless Sensor Network	M. Julie Therese A.Devi B. Balaji B. Senthilnayaki P. Dharanyadevi	2022 International Conference on Smart Technologies and Systems for Next Generation Computing (ICSTSN)	2022	978-1-6654-2112-6	IEEE Xplore
10	Credit Card Assent Using Supervised Learning	M. Julie Therese A.Devi R.Gurulakshmi R.Sandhya P.Dharanyadevi	International Conference on Smart Technologies and Systems for Next Generation Computing (ICSTSN)	2022	978-1-6654-2111-9	IEEE Xplore
11	An improved DFT spread with Genetic Algorithm in Layered PTS for Reduced PAPR in FBMC -OQAM Systems	K.Ayappasamy , G.Nagarajan , P.Arunagiri	International Conference on Computing Engineering and Technology	2022	9781713859635	IEEE Xplore

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BOOK / BOOK CHAPTERS FOR 2021-2022

Sl.No	Title of Book / Book Chapter	Name of the Authors	ISBN / ISSN	Publisher
1	Microelectronics and Digital System Design	Dr.P.Raja	Offline	Aagash Nekaa Publications
2	Recent Developments in Computing, Electronics and Mechanical Chapter 11 - Interfacing fog and cloud computing for IOT applications	Mrs.M.Julie Therese	978-81-941281-9-9	Anvi Books & ;
3	Cloud and IOT based Vehicular Ad-hoc Networks Chapter 2- Internet of Things based service discovery for the 5G VANET Milieu	Mrs.M.Julie Therese	9781119761839	Scrivener,Wiley
4	Cloud and IOT based Vehicular Ad-hoc Networks Chapter 7 -integrating lot and cloud computing for Wireless sensor Network	Mrs.M.Julie Therese	9781119761839	Scrivener,Wiley
5	Industry 4.0 Interoperability Analytics, Security and Case studies Chapter 10-IoT based smart pipeline Leakage Detecting system for petroleun Industries	Mrs.M.Julie Therese	9781003048855	CRC Press
6	Handbook of Deep Learning in Biomedical Engineering and Health Informatics Chapter 9- Melanoma Detection on skin lesion images using K-means Algorithm sym classifier	Mrs.M.Julie Therese	9781003144694	Apple Academic Press
7	Simulation and analysis of mathematical methods in real-time applications Chapter3 Mathematical Modelling of Cryptographic Approaches in Cloud Computing Scenario	Mrs.M.Julie Therese	9781119785378	Scrivener,Wiley

8	Big Data Management in Sensing: Applications in AI and IoT Chapter2 Voice Recognition Using Natural Language Processing	J. Pradeep K. Vijayakumar M. Harikrishnan	9788770224154	River
9	Big Data Management in Sensing: Applications in AI and IoT Chapter16 Smart IoT Assistant for Government Schemes and Policies Using Natural Language Processing	J. Pradeep K. Manojkiran V.P.Gopi B.Jayakumar	9788770224154	River