DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Paper Publications: 2024-2025						
Sl. No	Title of the Paper	Authors	Name of the Journal/ conference	Year of Publication	Volume/ Issue/ Page No.	ISSN No.	SCI/ESCI/ SCOPUS/ UGCC
1	Quality Enhancement with Frame-wise DLCNN using High Efficiency Video Coding in 5G Networks	Dr.D.Vijaya Saradhi	Scalable computing: Practice and Experience	2024	Vol. 25 No. 2 (2024) PP:1264-1275	1895-1767	SCOPUS
2	Design Considerations of EBG Structures for Wearable Applications	Dr.D.Vijaya Saradhi	Radar and RF Front End System Designs for Wireless Systems	2024	Pages 194-217	3693-0916	SCOPUS
3	IOT Based Gas Level and Leakage Detection for Domestic Applications	Dr.D.Vijaya Saradhi	International Conference on Communication, Devices and Networking	2024	volume 1233, Pages 225-234	Springer Nature	SCOPUS
4	Bio phantom design analysis of 5G MIMO antenna under sub 6ghz through quantum computing	Dr.D.Vijaya Saradhi	Tsinghua Science and Technology	2024	Tsinghua Science and Technology	1007-0214	SCI
5	A Comprehensive Analysis of Traditional and Advanced Approaches of Image Restoration Techniques	Dr.Ch.Ramesh	Micro and Nanosystems	Sept 2024	Vol. 17, Issue 1, PP:58-69	1876 4037	SCOPUS
6	A novel design of 1-bit full adders for eliminating voltage step in BBL-PT full adder using 32-nm CNTFET technology	T.Venkata Rao	International Journal of Electronics	2025	DOI: 10.1080/00207217.2025.2450735, PP:1-23	1362-3060	SCI

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7	A star shaped Compact Tri Band Antenna Design for C, X and Ku-Band Applications	Dr.D.Vijaya Saradhi	2024 Third International Conference on Electrical, Electronics, Information and Communication Technologies (ICEEICT)	2024	1-5	2024 IEEE	SCOPUS
8	Boosting Lung Cancer Prediction Accuracy Through Advanced Data Processing and Machine Learning Models	Dr.D.Vijaya Saradhi	2024 4th International Conference on Sustainable Expert Systems (ICSES)	2024	ICSES	6344-2024	SCOPUS
9	Efficient 32-nm CNTFET-Based 1-Bit Adder: A Fast and Energy-Optimized Design	T.Venkata Rao	WSEAS Transactions on Systems	2024	Volume 23, 2024	1109-2777	Scopus
10	Blockchain based Deepfake Detection and Forensic Precision for Unmatched Defense against Online Harassment	Dr.K.Gouthami	Quantum Computing Models for Cyber security and Wireless Communications, **Wiley-Scrivener Pub**	2024	Pages:219-226	221-228	SCOPUS
11	EMG Signal Processing By Prosthetic Hand Control And Modern Human-Arduino Computer Interaction System	Dr.K.Gouthami	Journal of Technology	2024	VOLUME 12 ISSUE 10, 2024	1012340 7	SCOPUS
12	The Magic Duo of IoT and Block chain: Transforming Agriculture with real time data and transparency	Dr. Ch.Ramesh	Journal of Engineering and Technology Management	July-Sept 2024	Vol. 73, PP. 23 – 33	1879 – 1719	SCOPUS

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13	Bio phantom design analysis of 5G MIMO antenna under sub 6ghz through quantum computing	Dr.K.Swetha	Tsinghua Science and Technology	2024		1007-0214	SCI
14	Dynamic prototype soc architectures for energy efficiency and performance optimization in IOT e	Dr.D.Vijaya Saradhi	Scalable Computing: Practice and Experience	2024			SCOPUS (Accepted)
15	Design of Automated Seed Sowing Machine	Dr. Ch.Ramesh	Quantum Computing Models for Cyber security and Wireless Communications 2024 **Wiley-Scrivener Pub**	2024	Pages:227-236	**Wiley-Scrivener Pub.**	SCOPUS
16	Possible Hindrances in the way of building up Academic Bank of Credit	Dr. Ch.Ramesh	Journal of Engineering and Technology Management	July-Sept 2024	Vol. 73 Vol. 73 PP. 74 – 84	1879 – 1719	SCOPUS
17	Design Of A Digital Vlsi Parallel Morphological Reconfigurable Processing Module For Binary And Grayscale Image Processing	Y.Bhaskara Rao	Quantum Computing Models for Cyber security and Wireless Communications **Wiley-Scrivener Pub**	2024	Pages: 267–278	2024 Scrivener Publishing LLC	SCOPUS
18	Design And Implementation Of Server Less Web Applications Utilizing API Gateway.	Dr.K.Gouthami	Journal of Computer Science	2024	Volume: 17, Issue: 9, PP: 116-124	1719-1441 (10.15229)	SCOPUS
19	The Magic Duo Of IoT And Blockchain: Transforming Agriculture With Real	K.Ravi Kumar	Design Engineering	2024	Pages: 23 - 33	0011 - 9342	SCOPUS

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20	Innovative Approaches in Sign Language Recognition Using Deep Learning Algorithms	Dr.K.Gouthami	Bulletin For Technology And History(BTH)	2024	Volume 24, Issue 7, PP: 59-67	0391-6715	SCOPUS
21	Design and Implementation of a Highly Articulated 17-DOF Bipedal Robot with Arduino Control	Dr.K.Gouthami	Tanz Journal	2024	VOL:19, ISSUE:07, PP: 146-156	1869-7720	SCOPUS
22	Possible Hindrances in the way of building up Academic Bank of Credit	Y Bhaskararao	Journal of Engineering and Technology Management	July-Sept 2024	Vol. 73 Vol. 73 PP. 74 – 84	1879 – 1719	SCOPUS
23	Progressive cyclic AI Convolutions Neural network for Embedded vision based internet of things using VLSI	Dr.K.Gouthami	Journal of Expert System with Applications (ELSEVIER)		ELSEVIER		SCI (Accepted)
24	Design and Implementation of an optimized Wide-band Antenna for underwater communications	Dr.K.Gouthami	Wireless Personal communications (SPRINGER)		SPRINGER		SCI (Accepted)
25	Efficient design and implementation of low power 1-bit full adder for VLSI applications	Dr. Ch.Ramesh	Journal of Engineering and Technology Management	July-Sept 2024	Vol. 73 PP. 51 – 61	1879 – 1719	SCOPUS
26	Novel approach to Bluetooth Communication in Bipedal Robot for Humanoid Workout Mobility	Dr.Ch.Ramesh	Journal of Engineering and Technology Management (2024)	2024	Volume 73 PP: 157-165	1879-1719	SCOPUS
27	Design of Automatic seed sewing machine	K.Ravi Kumar	Quantum Computing Models for Cyber security	2024	Pages:227-236	2024 Scrivener Publish	SCOPUS

		and Wireless Communications **Wiley-Scrivener Pub**			ing LLC	
28	Design of a Digital Vlsi Parallel Morphological Reconfigurable Processing Module For Binary And Grayscale Image Processing	**N.Naga Raja Kumari**	Quantum Computing Models for Cyber security and Wireless Communications **Wiley-Scrivener Pub**	2024	Pages: 267–278	2024 Scriven er Publish ing LLC	SCOPUS
29	The Magic Duo Of IoT And Blockchain: Transforming Agriculture With Real Time Data And Transparency	**K.Saradha**	Journal of Engineering and Technology Management	July-Sept 2024	Vol. 73, PP. 23 – 33	1879 – 1719	Scopus
30	Design and Implementation of a Highly Articulated 17-DOF Bipedal Robot with Arduino Control	**SK.Gousya Begum**	Tanz Journal	2024	VOL:19, ISSUE:07, PP: 146-156	1869-7720	SCOPUS
31	Design And Implementation Of Server Less Web Applications Utilizing API Gateway.	**M.Chandana**	Journal of Computer Science	2024	Volume: 17, Issue: 9, PP: 116-124	1719-1441 (10.152 29)	SCOPUS
32	EMG Signal Processing By Prosthetic Hand Control And Modern Human-Arduino Computer Interaction System	**P.Santhi**	Journal of Technology	2024	VOLUM E 12 ISSUE 10, 2024	101234 07	SCOPUS
33	The Magic Duo Of Iot And Blockchain: Transforming Agriculture With Real Time Data And Transparency	**V.Ajay Shankar**	Journal of Engineering and Technology Management	July-Sept 2024	Vol. 73, PP. 23 – 33	1879 – 1719	Scopus

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36	Efficient Design and Implementation of Low-Power 1-Bit Full Adder for VLSI Applications	Y.Bhaskara Rao	Journal of Engineering and Technology Management	July-Sept 2024	Vol. 73 PP. 51 – 61	1879 – 1719	SCOPUS
37	Design Of A Digital Vlsi Parallel Morphological Reconfigurable Processing Module For Binary And Grayscale Image Processing	D.V.Harsha Vardhan	Quantum Computing Models for Cyber security and Wireless Communications **Wiley-Scrivener Pub**	2024	Pages: 267–278	2024 Scrivener Publishing LLC	SCOPUS
38	Design and Implementation of a Highly Articulated 17-DOF Bipedal Robot with Arduino Control	K.Ravi Kumar	Tanz Journal	2024	VOL:19, ISSUE:07, PP: 146-156	1869-7720	SCOPUS
39	Efficient Design and Implementation of Low-Power 1-Bit Full Adder for VLSI Applications	K.Saradha	Journal of Engineering and Technology Management	July-Sept 2024	Vol. 73 PP. 62 – 73	1879 – 1719	Scopus
40	Efficient Design and Implementation of Low-Power 1-Bit Full Adder for VLSI Applications	K.Ravi Kumar	Journal of Engineering and Technology Management	July-Sept 2024	Vol. 73 PP. 51 – 61	1879 – 1719	Scopus
41	Revolutionizing power Point Presentations with AI Hand Gesture Integration Technology	Dr.K.Gouthami	Tanz Journal	2024	Volume: 19, Issue: 07, PP: 42-50	1869-7720	SCOPUS

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43	Possible Hindrances in the way of building up Academic Bank of Credit	K.Ravi Kumar	Journal of Engineering and Technology Management	July-Sept 2024	Vol. 73 PP. 74 – 84	1879 – 1719	Scopus
44	Design and Implementation of 8-Bit Ripple Carry Adder and Carry Select Adder at 32-nm CNTFET Technology: A Comparative Study	T.Venkata Rao	Quantum Computing Models for Cyber security and Wireless Communications **Wiley-Scrivener Pub**	2024	PP:325-336	2024 Scrivener Publishing LLC	SCOPUS
45	Possible Hindrances in the way of building up Academic Bank of Credit	K.Rajitha	Journal of Engineering and Technology Management	July-Sept 2024	Vol. 73 PP. 74 – 84	1879 – 1719	Scopus Indexed Journal
46	Design of Novel Chatbot using Generative Artificial Intelligence	SK.Gousya Begum	Quantum Computing Models for Cyber security and Wireless Communications **Wiley-Scrivener Pub**	2024	Pages:251 -257	2024 Scrivener Publishing LLC	SCOPUS
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49	Design of Novel Chabot using Generative Artificial Intelligence	**N.L.Tirupathamma**	Quantum Computing Models for Cyber security and Wireless Communications **Wiley-Scrivener Pub**	2024	Pages:251-257	2024 Scrivener Publishing LLC	SCOPUS

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