



LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY
(An Autonomous Institute, Approved by AICTE, Permanently Affiliated to JNTUGV)
(Accredited by NAAC with "A" grade)
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Research Paper Publications

Details of Publication in Journal

Academic Year: 2022-23

S. No.	Name of the Faculty	Title of the Paper	Details of Publication				Link to The Article	Indexed By
			Name of the Journal	Month & Year	Page No.	ISSN No & Impact Factor		
1.	Dr. M. Rajan Babu	Optimization of an all-optical three-input universal logic gate with an enhanced contrast ratio by exploiting a T-shaped photonic crystal waveguide	Applied Optics	2022	8162-8171	1559-128X (print) 2155-3165 (online) & 1.7	https://opg.optica.org/ao/abstract.cfm?uri=ao-61-28-8162	SCI
2.	Mr. T. Anilkumar	Automotive communication applications based circular ring antenna with reconfigurability and conformal nature	International Journal of Communication Systems	2022	1-15	1099-1131 & 1.70	https://onlinelibrary.wiley.com/doi/abs/10.1002/dac.5364	SCIE
3.	Dr. A.V.Paramkusam, Dr.D, Naresh Kumar, Dr. B. Sridhar, Dr.S.Sridhar	All Directional Search Motion Estimation Algorithm	Electronics	2022	1-15	2079-9292 & 2.3	https://doi.org/10.3390/electronics11223736	SCIE
4.	Dr.S.Sridhar,	Technological Advancements	Electronics	2023	1-25	2079-9292	https://doi.org/10.3	SCIE



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	Dr.D.Naresh Kumar, Dr. B.Sridhar, Dr.A.V.Paramkusa m	and Elucidation Gadgets for Healthcare Applications: An Exhaustive Methodological Review-Part-I (AI, Big Data, Block Chain, Open-Source Technologies, and Cloud Computing				& 2.3	390/electronics1203 0750	
5.	Dr. S.Sridhar, Dr.D.Naresh Kumar, Dr.B.Sridhar, Dr. A.V.Paramkusam	Technological Advancements and Elucidation Gadgets for Healthcare Applications: An Exhaustive Methodological Review-Part-II (Robotics, Drones, 3D-Printing, Internet of Things, Virtual/Augmented and Mixed Reality).	Electronics	2023	1-21	2079-9292 & 2.3	https://doi.org/10.390/electronics12030548	SCIE
6.	Dr.B. Kiranmai	A Compact SWB-CSF Antenna for Millimetre Wave Wireless Applications.	Journal of Infrared, Millimeter, and Terahertz Waves	2022	--	1866-6892 & 2.64	https://doi.org/10.1007/s10762-022-00877-z	SCIE
7.	Dr.B. Kiranmai, Mr.S.S.Kiran	Smart City IoT System Network Level Routing Analysis and Blockchain Security Based Implementation	Journal of Electrical Engineering & Technology	2022	1351-1368	1975-0102 & 1.4	https://doi.org/10.1007/s42835-022-01239-4	SCIE
8.	Dr. B. Sridhar, Dr. S. Sridhar	Performance Evaluation of FSO System under Atmospheric Turbulence and Noise	Journal of The Institution of Engineers (India): Series B	2022	2085-2095	2250-2114 & 2.19	https://doi.org/10.1007/s40031-022-00789-5	Scopus



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9.	Dr.B. Kiranmai, Mr.S.S.Kiran, Mr. K Gurucharan	VLSI Implementation of Integrated Massive MIMO Systems (IMMS) for N-point FFT/IFFT Processor	International Journal of Electrical and Electronics Research (IJEER)	December 2022	1121-1129	e-ISSN: 2347-470X	https://ijeer.forexjournal.co.in/papers-pdf/ijeer-100458.pdf	Scopus
10.	Dr.D.Naresh Kumar, Mr. N. Raja Shekar, Mrs. M. Sujatha	Performance Of Wearable Circularly Polarized Antenna On Different High Frequency Substrates For Dual-Band Wireless Applications	FACTA UNIVERSITATIS Series: Electronics and Energetics	March 2023	--	ISSN: 0353-3670 eISSN: 217-5997	https://doi.org/10.2298/FUEE2301121B	ESCI
11.	Mrs. R.Divya Kanti	Design and development of mobile anchor assisted node localization strategy using a Hybrid Electric-Coyote Optimization.	Evolutionary Intelligence	January 2023	1405–1423	Electronic ISSN 1864-5917 Print ISSN 1864-5909	https://doi.org/10.1007/s12065-023-00834-2	Scopus
12.	Mr. Sk. azeez, Dr.M RajanBabu	Machine Learning Based Analysis And Classification Of Rhizome Rot Disease In Turmeric Plants	International Journal of Food and Nutritional Sciences	Dec 2022	1179 - 1190	2319 - 1775	https://www.ijfans.org/uploads/paper/54376f0a97afe7ab86083873bc6def3b.pdf	UGC Care List Group-I
13.	Dr. B.Sridhar, Mr. B.Rammohan	Implementation Of Radix-2 2 Fft Mdc Architecture Using Vedic Multiplier For High-Speed Applications	Industrial Engineering Journal	May : 2023	--	ISSN: 0970-2555	http://journal-iiie-india.com/1_may_23/73_online.pdf	UGC
14.	Dr.M.Rajan Babu	Realization Of High Performance And Power	Industrial Engineering Journal	April : 2023	2561-2572	ISSN 0970-2555	http://www.journal-iiie-	UGC



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		Optimized Schmitt Trigger Based 9t Sram At 16nm Cmos Technology					india.com/1_apr_23/302_online.pdf	
15.	Dr.S. Sridhar	An Analysis Of Area Based Three Operand Binary Adder Vlsi Architecture	Industrial Engineering Journal	April : 2023	2554-2560	ISSN: 0970-2555	https://journals.stmjournals.com/jovdtt/article=2024/view=149476/	UGC
16.	Dr.B.Kiranmai	A Novel Approach To Design A High Performance 10t Sram With High Recoverability Of Multi-Node Soft Error	Industrial Engineering Journal	April : 2023	2544-2553	ISSN: 0970-2555	http://www.journal-iiie-india.com/1_apr_23/300_online.pdf	UGC

Details of Publication in Conferences

S. No.	Name of the Faculty	Title of the Paper	Title of Conference/Seminar	Year	Organized by	Link to The Article
1.	Mrs. Ch.Gayatai	Wideband Printed Bowtie antenna for 5G and millimetric wave Applications	International Conference on Computing, Communication, Security and Intelligent Systems	2022	IEEE	https://ieeexplore.ieee.org/document/9885444
2.	Mrs.P. Srujana	Internet of Things Based Smart Home Security Analysis System	International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent	2023	IEEE	https://ieeexplore.ieee.org/document/10083624



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			Engineering			
3.	Dr. B. Sridhar	Design A Voice App Controlled IoT Based Water Tank System	IEEE International Students' Conference on Electrical, Electronics and Computer Science	2023	IEEE	https://ieeexplore.ieee.org/document/10063007
4.	Dr. B. Sridhar	Design an IoT Based Highway Toll Plaza System	IEEE International Students' Conference on Electrical, Electronics and Computer Science	2023	IEEE	https://ieeexplore.ieee.org/document/10063136

Details of Publications in Book Chapters

S. No.	Name of the Faculty	Title of the Books and Chapters	Page Numbers	Publisher Details	Link to The Article
1.	Mrs. S. Durga Madhuri Mrs.G.V. Sai Swetha, Mrs.B.V.R Gowri, Mr. K. Gurucharan, Mr. M.Sanyasi Naidu	Design of Water Quality Monitoring System Using IoT	419–427	Springer, Singapore	https://doi.org/10.1007/978-981-19-5331-6_43
2.	Mr.S.S Kiran	Optimization of RF MEMS Switch Using Linear Vector Quantization Network	329–337	Springer, Singapore	https://doi.org/10.1007/978-981-19-2308-1_34
3.	Mr. S. S. Kiran, Dr.M. Rajan Babu, Dr. B. Kiranmai, Mr. K. Gurucharan	Advanced Wireless Communications for Future Technologies-6G and beyond 6G	1-26	Taylor & Fransis	https://www.taylorfrancis.com/chapters/edit/10.1201/9781003230526-1/advanced-wireless-communications-future-technologies-6g-beyond-6g-kiran-rajan-babu-kiranmai-gurucharan
4.	Dr.T. Anil kumar, Dr.M. Rajan Babu	Design of Printed Dipole Antenna Array for Directional Sensing Applications	181-195	Taylor & Fransis	https://www.taylorfrancis.com/chapters/edit/10.1201/9781003230526-10/design-printed-dipole-antenna-array-directional-sensing-



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5.	Mr. D. Suresh Kumar	Carry Select Adder Using Binary Excess-1 Converter and Ripple Carry Adder	289–294	Springer, Singapore	https://doi.org/10.1007/978-981-19-2308-1_30
6.	Dr.B. Kiranmai , Mr. K. Gurucharan, Mr. S S Kiran, Dr. M. Rajan Babu	Brain MRI Image Active Contour Segmentation for Healthcare Systems	--	Taylor & Fransis	https://www.taylorfrancis.com/chapters/edit/10.1201/9781003248750-8/brain-mri-image-active-contour-segmentation-healthcare-systems-kiranmai-babburu-gurucharan-kapila-kiran-mallavarapu-rajan-babu
7.	Mr. K.Guru Charan	Apple Fruit Classification and Damage Detection Using Pre-trained Deep Neural Network as Feature Extractor	235–243	Springer, Singapore.	https://doi.org/10.1007/978-981-16-8512-5_26