LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY
(An Autonomous Institute, Approved by AICTE, Permanently Affiliated to JNTUGV)
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Research Paper Publications

Details of Publication in Journal **Academic Year: 2023-24**

S. No.	Name of the Faculty	Title of the Paper	Details of Publication				Link to The Article	Indexed By
			Name of the Journal	Year	Page No.	ISSN No		
1.	Dr. B. Srikant Kumar	Design of a Novel Inexact 4:2 Compressor and Its Placement in the Partial Product Array for Area, Delay, and Power-Efficient Approximate Multipliers	Circuits, Systems, and Signal Processing	Mar, 2024	3748–3774	0278-081X	https://doi.org/10.1007/s00034-024-02630-4	SCIE
2.	Dr. R. Santosh	A Low-Power Tunable Differentiator Using Voltage Difference Transconductance Amplifier (VDTA) for Tunable PD Controller	Journal of Circuits, Systems and Computers	Apr, 2024	--	0218-1266	https://doi.org/10.1142/S0218126624502438	SCIE
3.	Mrs. Ch. Gayatri	Design of Circularly Polarized Wideband Dielectric Resonator Antenna for Millimeter Wave Applications	SN Computer Science	2023	--	2661-8907	https://doi.org/10.1007/s42979-023-02025-3	Scopus
4.	Dr.D.Naresh Kumar	Design of a Multi-Band 5G Antenna and Machine Learning Approach for Electromagnetic Compatibility	Journal of Systems Engineering and Electronics	2024	--	1671-1793	https://jseepublisher.com/volume-34-issue-3-2024/	Scopus
5.	Dr.D.Naresh Kumar	Design of High Speed and Low Power Multiplier using Dual-Mode Square Adder. International	Journal of Signal and Imaging Systems Engineering	Sep 2023	167	1748-0698	10.1504/IJSISE.2023.133653	Scopus

6.	Mr.S.S. Kiran	Jacobian Based Nonlinear Algorithms for Prediction of Optimized RF MEMS Switch Dimensions	Transactions on Electrical and Electronic Materials	2023	447–458	1229-7607	https://doi.org/10.1007/s42341-023-00463-7	Scopus
7.	Mr.S.S. Kiran	Automated face recognition system for smart attendance application using convolutional neural networks.	International Journal of Intelligent Robotics and Applications (IJIRA)	2024	162–178	2366-598X	https://doi.org/10.1007/s41315-023-00310-1	ESCI
8.	Mr.S.S. Kiran	Designing of self-balancing amplitude modulated five level inverter for reducing voltage stress gradients on converter switches for electric vehicles	Franklin Open	2024	1-16	2773-1863	https://doi.org/10.1016/j.fraope.2024.100114	Scopus
9.	Dr.D.Naresh Kumar	Deep Learning-Based Modified Transformer Model for Automated News ArticleSummarization	FACTA Universitatis: Electronics & Energetics	Jan2024	261-276	0353-3670	https://casopisi.junis.ni.ac.rs/index.php/FUElectEnerg/article/view/11872	ESCI
10.	Dr. R. Santosh	The structural, stability, electronic, optical and thermodynamic properties of MoX_2 (X= S, Se, and Te) under hydrostatic pressures: a plasmon approach and first-principle study.	Journal of Molecular Modeling	2024	--	1610-2940	https://doi.org/10.1007/s00894-024-05887-3	Scopus
11.	Dr.D.Naresh Kumar	2D Node-Based Finite Element Method on Linear Accelerator Cavity for Radiation Therapy	International Journal of Membrane Science and Technology	Oct, 2023	658-666	2410-1869	https://cosmosscholars.com/phms/index.php/ijmst/article/view	UGC

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12.	Dr.B.Sridhar, Mr.B.Rama Mohan	Implementation of Radix-2 FFT MDC Architecture using Vedic multiplier for High Speed Applications	Industrial Engineering Journal	May,2023	653-662	0970-2555	http://journal-iiie-india.com/1_may_23/73_online.pdf	UGC CARE Group-1).
13.	Dr.D.Naresh Kumar	Efficient Design of Rounding-based Approximate Modified Karatsuba Multiplier	Journal of Emerging Technologies and innovative Research	July-2023	--	2349-5162	https://www.jetir.org/view?paper=JETIR2307136	UGC
14.	Mr.B.Rama mohan	Delay Analysis Of Approximate Parallel Prefix Adders	Industrial Engineering Journal	September,2023	0970-2555	0970-2555	http://www.journal-iiie-india.com/1_sep_23/5_online.pdf	UGC CARE Group-1
15.	Mr.B. Hemanthnag	Design And Analysis Of Majority Logic Based Approximate Multiplier	Zkg International	June 2023	--	2366-1313	https://zkginternational.com/archive/volume8/DESIGN-AND-ANALYSIS-OF-MAJORITY-LOGIC-BASED-APPROXIMATE-MULTIPLIER.pdf	UGC CARE Group-1

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Details of Publication in Conferences

S. No.	Name of the Faculty	Title of the Paper	Title of Conference	Year	Organized by	Link to The Article
1.	Dr.D.Naresh Kumar	Modified plus-Shaped Microstrip Patch Antenna with DGS for Ultra Wide-Band Applications	IEEE Wireless Antenna and Microwave Symposium (WAMS)	2023	IEEE	https://ieeexplore.ieee.org/document/10242943.
2.	Dr.D.Naresh Kumar	Decision-Tree Based Machine Learning Approach for the Design and Optimization of 5G n78 Sub-Band Antenna for WiMAX/WLAN Applications	IEEE Wireless Antenna and Microwave Symposium (WAMS)	2023	IEEE	https://ieeexplore.ieee.org/document/10242820
3.	Dr.D.Naresh Kumar	Design and Optimization of Compact multi band Metamaterial antenna using Machine Learning Algorithm	IEEE Wireless Antenna and Microwave Symposium (WAMS)	2023	IEEE	https://ieeexplore.ieee.org/document/10242945
4.	Mrs. M. Sujatha	A Circular Patch Antenna with Bottleneck feed and DGS for C-Band and X-Band Applications	IEEE Wireless Antenna and Microwave Symposium (WAMS)	2023	IEEE	https://ieeexplore.ieee.org/document/10242881
5.	Mrs. M. Sujatha	Dual-Sense Polarized Dielectric Resonator Antenna with Metamaterial as Superstrate	IEEE Wireless Antenna and Microwave Symposium (WAMS)	2023	IEEE	https://ieeexplore.ieee.org/document/10242880
6.	Dr.D.Naresh Kumar	A Leaf Shaped Patch Antenna for Wideband Applications	IEEE Wireless Antenna and Microwave Symposium (WAMS)	2023	IEEE	https://ieeexplore.ieee.org/document/10242949
7.	Dr.B.Sridhra,	Adaptive Filter Clipper-Based PAPR	IEEE Wireless Antenna and	2024	IEEE	https://ieeexplore.i

	Dr.D.Nareshkumar, Dr.S.Sridhar, Mr.S.Rama Krishna	Reduction Techniques for Massive MIMO-OFDM	Microwave Symposium (WAMS)			eee.org/document/10528131
8.	Mrs. M. Sujatha	Aperture Coupled High Gain Metasurface Based Antenna for CP Radiation	IEEE Wireless Antenna and Microwave Symposium (WAMS)	2024	IEEE	https://ieeexplore.ieee.org/document/10527807
9.	Dr.D.Naresh Kumar	Circularly Polarized Metasurface-BasedHybrid Dielectric Resonator Antenna for Wireless Applications	IEEE Wireless Antenna and Microwave Symposium (WAMS)	2024	IEEE	https://ieeexplore.ieee.org/document/10528161
10.	Dr.B.Sridhra, Dr.D.Nareshkumar, Mr.B.Rama mohan, Mr. N.Raja sekar	Current Trends of Microwave Imaging	IEEE Wireless Antenna and Microwave Symposium (WAMS)	2024	IEEE	https://ieeexplore.ieee.org/document/10527992
11.	Mr.B.Rama Mohan. Dr.D.Naresh Kumar	Design of Frequency Reconfigurable Dual-Band Rectangular Ring-Shaped Antenna with High Isolation	IEEE Wireless Antenna and Microwave Symposium (WAMS)	2024	IEEE	https://ieeexplore.ieee.org/document/10528101
12.	Dr.D.Naresh Kumar	Dual Band Symmetrical Semi Cylindrical DRA with Patch Antenna for C and X-Band Applications	IEEE Wireless Antenna and Microwave Symposium (WAMS)	2024	IEEE	https://ieeexplore.ieee.org/document/10527846
13.	Mrs. P. Srujana, Mrs.J.Priyanka, Mr.K.Guruchar an, Dr.M.Rajan Babu	Exploring ML Solutions for Challenges in WSN Development: A Comprehensive Survey	IEEE Wireless Antenna and Microwave Symposium (WAMS)	2024	IEEE	https://ieeexplore.ieee.org/document/10527941

14.	Mr.S.S.Kiran	Analysis of Ionosphere Day to Day Variability using Parametric Methods on GPS TEC	Recent Advances in Wireless Communications & Emerging Technologies	2023	Koneru Lakshmaiah Educational Foundation	https://iopscience.iop.org/article/10.1088/1742-6596/2471/1/012004
15.	Mr.S.S.Kiran	Evaluation and Comparison of Power Spectral Density for GPS Signals using UTC and NMC Parameters	Recent Advances in Wireless Communications & Emerging Technologies	2023	Koneru Lakshmaiah Educational Foundation	https://iopscience.iop.org/article/10.1088/1742-6596/2471/1/012019/pdf

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.R.Divya Kanthi	Range-Free Anchor-Based Localization in WSN Using Optimized Support Vector Machine Derived by Teamwork Optimization Algorithm	431–444	Springer, Singapore	https://doi.org/10.1007/978-981-99-9442-7_35