

### Summary of Journal Publications

<b>Journal Publication Summary</b>	<b>2023-24</b>
Scopus	20
SCI	05
SCIE	05
Web of Science	02
UGC	03
Others	07
<b>Total</b>	<b>42</b>

### Summary of Book Chapters

<b>Book Chapters</b>	<b>2023-24</b>
Springer	02
Taylor & Francis	01
Others	04
<b>Total</b>	<b>07</b>

### List of Conference Publications for the A.Y-2023-24

Sl. No.	Name of the Teacher	Title of the proceedings of the conference	Name of the conference	National / International	Year and month of publication	ISBN of the Book/Conference Proceeding	Affiliating Institute of the teacher at the time of publication	Name of the Publisher
1	Dr. S. Aruna Deepthi	Improving supply Chain Management in Retail Industry through Deep Learning with Blockchain Technology	IEEE International Conference on Multidisciplinary Research in Technology and Management - MRTM 23	International	22 - 23 Sept, 2023	--	Dept of ECE, Vasavi College of Engg, Hyd	--
2	Dr. Srilakshmi Aouthu	Sustainable Design of Multiband Antenna for Wireless Communication Applications	15th International Conference on Materials Processing and Characterization (ICMPC 2023)	International	6th Oct, 2023	--	Dept of ECE, Vasavi College of Engg, Hyd	--
3	Dr. K. Deepti , Dr. S. Aruna Deepthi	Comparison of Machine Learning Methods for Classification and Diagnosis of Skin Disease	IEEE 3rd International Conference on Applied Electromagnetics, Signal Processing & Communication (AESPC-2023)	International	24-26 Nov 2023	SBN:979-8-3503-5874-2 ISBN:979-8-3503-5875-9	Dept of ECE, Vasavi College of Engg, Hyd	--

4	Ms. R. Leelavathi , Dr. S. Aruna Deepthi ,Mrs. V. Aruna , Mrs. S. Jhansi Naga Lakshmi	Design and Implementation of V-Unite	International Conference on Algorithms and Computational Theory for Engineering Applications (ICACTEA-2024)	International	2-3 Feb 2024	--	Dept of ECE, Vasavi College of Engg, Hyd	--
5	Mrs. Ch. Neetu	Chebyshev Individual Adaptive Exponential Functional Link Filter for Nonlinear System Identification	2023 IEEE 20th India Council International Conference (INDICON)	International	14-17 DEC 2023	979-8-3503-0559-3/23/\$31.00 ©2023 IEEE	Dept of ECE, Vasavi College of Engg, Hyd	--
6	Dr. K. Veera Swamy	Skin Disease Classification using Image Pre-processing and Machine Learning	--	--	--	--	Dept of ECE, Vasavi College of Engg, Hyd	--
7	Dr. Srilakshmi Aouthu	A Novel Reconfigurable UWB Antenna for Spectral Sensing and Signal Transmission in Cognitive Radio Applications	2024 IEEE Wireless Antenna and Microwave Symposium, WAMS 2024, 2024	International	26 Feb to 1st March 2024	--	Dept of ECE, Vasavi College of Engg, Hyd	--

8	Dr. Srilakshmi Aouthu	LTCC Antenna for WLAN Applications	2024 IEEE Wireless Antenna and Microwave Symposium, WAMS 2024, Visakhapatnam	International	26 Feb to 1st March 2024	--	Dept of ECE, Vasavi College of Engg, Hyd	--
9	Dr. Srilakshmi Aouthu	Sustainable Design and Analysis of a Quasi Snowflake Fractal Antenna for Multiband Applications	2024 IEEE Wireless Antenna and Microwave Symposium, WAMS 2024, Visakhapatnam	International	26 Feb to 1st March 2024	--	Dept of ECE, Vasavi College of Engg, Hyd	--
10	Dr. Srilakshmi Aouthu	A Novel Probabilistic Access Scheme for NB-IoT in 5G Networks	2024 International Conference on Emerging Smart Computing and Informatics (ESCI), Pune, India	International	01-Mar-2024	--	Dept of ECE, Vasavi College of Engg, Hyd	--
11	Dr. Srilakshmi Aouthu	Semantic Segmentation Using U-Net for Autonomous Driving	3rd IEEE International Conference on Distributed Computing and Electrical Circuits and Electronics, ICDCECE 2024	International	24-27 April 2024	Print on Demand(PoD) ISBN:979-8-3503-1861-6	Dept of ECE, Vasavi College of Engg, Hyd	--

12	Ms. R. Leelavathi	Human Activity Recognition Based on Smartphone Sensor Data Using Principal Component Analysis and Linear Multiclass Support Vector Machine	International Conference on Microelectronics, Electromagnetics and Telecommunication ICMEET 2023 6-7 October 2023	International	23-Apr-2024	Print ISBN 978-981-97-0643-3, Online ISBN 978-981-97-0644-0	Dept of ECE, Vasavi College of Engg, Hyd	--
13	Dr. K. Veera Swamy	Multi-Symbol Detection of QPSK Signal in Noisy Channel	2024 First International Conference on Advances in Modern Age Technologies for Health and Engineering Science (AMATHE 2024) The conference is technically co-sponsored by IEEE Bangalore Section.	International	16 - 17, May 2024	e-ISBN:979-8-3503-7156-7 Print on Demand(PoD) ISBN:979-8-3503-7157-4	Dept of ECE, Vasavi College of Engg, Hyd	--

14	Dr. K. Veera Swamy	Bridge Inspection using Image Enhancement and Machine Learning	2024 First International Conference on Advances in Modern Age Technologies for Health and Engineering Science (AMATHE 2024) The conference is technically co-sponsored by IEEE Bangalore Section.	International	16 - 17, May 2024	e-ISBN:979-8-3503-7156-7 (PoD) ISBN:979-8-3503-7157-4	Dept of ECE, Vasavi College of Engg, Hyd	--
----	--------------------	--	---	---------------	-------------------	---	--	----

### Summary of Books published and Book Chapters A.Y-2023-24

Sl. No.	Name of the Teacher	Title of the Book published	Title of the Chapter published	National / International	Year and month of publication	ISBN of the Book/Conference Proceeding	Affiliating Institute of the teacher at the time of publication	Name of the Publisher
1	Dr. Srilakshmi Aouthu , Dr. D.M.K Chaitanya	Antennas and Wave Propagation	--	International	01-Jul-2023	978-93-5625-526-5	Dept of ECE, Vasavi College of Engg, Hyd	Scientific International Publishing House
2	Dr. D.M.K Chaitanya	--	Improving IoT Security using Blockchain	International	01-Aug-2023	--	Dept of ECE, Vasavi College of Engg, Hyd	Blockchain Technology for IoT and Wireless Communications CRC Press
3	Dr. D.M.K Chaitanya	--	A Dual Band RF Energy Harvesting System in Sub-6 GHz for Low Power Electronic Appliances	International	30-Sep-2023	--	Dept of ECE, Vasavi College of Engg, Hyd	Energy Harvesting Trends for Low Power Compact Electronic Devices
4	Dr. K. Krishna Kishore	Fundamentals of Electronics and Microprocessor	--	International	27-Nov-2023	978-93-5850-327-2	Dept of ECE, Vasavi College of Engg, Hyd	JEC PUBLICATION
5	Dr. S. Aruna Deepthi	Computer Networking: IPv4 and Multimedia Over Internet	--	International	01-Nov-2023	978-81-19762-80-4	Dept of ECE, Vasavi College of Engg, Hyd	NTL Publication

6	Dr. D.M.K Chaitanya	--	Antenna Designs for Implementation of Rectenna Systems	International	25-Feb-2024	978-981-99-8770-2 (p) 978-981-99-8771-9 (o)	Dept of ECE, Vasavi College of Engg, Hyd	Intelligent Signal Processing and RF Energy Harvesting for State of art 5G and B5G Networks
7	Dr. D.M.K Chaitanya	--	Antenna Designs for Development of Cognitive Radio Systems	International	25-Feb-2024	978-981-99-8770-2 (p) 978-981-99-8771-9 (o)	Dept of ECE, Vasavi College of Engg, Hyd	Intelligent Signal Processing and RF Energy Harvesting for State of art 5G and B5G Networks



### List of Journal Publications for the A.Y-2023-24

S.No	Name of the Dept	Name of the Author(s)	Department of the Author(s)	Title of the Paper	Name of the Journal	Month and Year of publication	ISSN	Article Indexing- Scopus/ SCI/SCIE/Web of science/UGC care/Others	Link to the notification in UGC enlistment of the Journal
1	ECE	Dr. N.S.S. Reddy	ECE	Variation of energy dissipation in adiabatic logic circuits with different device and circuit parameters	Strad Research (UGC) <a href="http://stradresearch.org/">http://stradresearch.org/</a>	Jul-2023	ISSN: 0039-2049	Web of Science	<a href="https://doi.org/10.37896/sr10.7/043">DOI: 10.37896/sr10.7/043</a>
2	ECE	Dr. N.S.S. Reddy	ECE	Design and Analysis of Low Power VLSI Based SRAM Cell using CMOS FinFET and GNRFT Technologies	International Journal of Intelligent Systems and Applications in Engineering	Jul-2023	2147-6799	Scopus	<a href="https://ijisae.org/index.php/IJISAE/article/view/3349/1935">https://ijisae.org/index.php/IJISAE/article/view/3349/1935</a>
3	ECE	Dr. K. Krishna Kishore , Dr. E. Sreenivasa Rao	ECE	A Comprehensive Analysis of PAPR Reduction in Scrambled UPMC and OFDM Using Artificial Bee Colony Algorithm for 5G Communications	IETE Journal of Research	Jul-2023	-	SCI	<a href="https://doi.org/10.1080/03772063.2023.2234861">https://doi.org/10.1080/03772063.2023.2234861</a>
4	ECE	Dr. N.S.S. Reddy	ECE	Reversible Non Restoring Square Root Algorithm using Standard Reversible Gates	GIS Science Journal	Aug-2023	1869-9391	UGC Care	-
5	ECE	Dr. E. Sreenivasa Rao	ECE	Design of a Novel 32x32 SRAM Array with and without Pipelined Technique for High Speed, Low Area and Low Power Memory Applications	Journal of Harbin Engineering University	Aug-2023	1006-7043	Scopus	<a href="https://harbinengineeringjournal.com/index.php/journal/article/view/1044">https://harbinengineeringjournal.com/index.php/journal/article/view/1044</a>

6	ECE	Dr. K. Veera Swamy	ECE	Competent scene classification using feature fusion of pre-trained convolutional neural networks	TELKOMNIKA Telecommunica tion Computing Electronics and Control	Aug-2023	ISSN: 1693-6930	Scopus	<a href="https://doi.org/10.12928/TELKOMNIKA.v21i4.24463">DOI: 10.12928/TELKOMNIKA.v21i4.24463</a>
7	ECE	S. Aruna Deepthi	ECE	Analysis of Social Network Data Mining for Security Intelligence Privacy Machine Learning	International Journal on Recent and Innovation Trends in Computing and Communication	Aug-2023	2321-8169	Scopus	<a href="https://ijritcc.org/index.php/ijritcc/article/view/7185/6111">https://ijritcc.org/index.php/ijritcc/article/view/7185/6111</a>
8	ECE	Dr. N.S.S. Reddy	ECE	Hybrid Taguchi-Salp Swarm Optimization Based Energy Efficient MIMO System with Data Reordering and Scheduling Using Battle Royale Optimization Approach for the 5G Technologies	Wireless Personal Communication s (Springer)	Aug-2023	-	SCIE	<a href="https://link.springer.com/article/10.1007/s11277-023-10654-3">https://link.springer.com/article/10.1007/s11277-023-10654-3</a>
9	ECE	Dr. E. Sreenivasa Rao	ECE	An Efficient 2x2 and 4x4 SRAM Array by using Compact Decoder for Low Power & Low Area Applications	Jounral of Namibian Studies	Sep-2023	2197-5523	Scopus	-
10	ECE	Dr. N.S.S. Reddy	ECE	Performance Enhancement of CNFET-based Approximate Compressor for Error Resilient Image Processing	International Journal of Electrical and Electronics Research (IJEER)	Sep-2023	e-ISSN: 2347-470X	Scopus	<a href="https://ijeer.forexjournal.co.in/archive/volume-11/ijeer-110332.html">https://ijeer.forexjournal.co.in/archive/volume-11/ijeer-110332.html</a>
11	ECE	Dr. N.S.S. Reddy	ECE	Design and Analysis of Low Power Hybrid Logic Adder for Signal Processing Applications	SSRG: International Journal of VLSI & Signal Processing (SSRG IJVSP)	Oct-2023	2348-8379	Scopus	<a href="https://doi.org/10.14445/23488379/IJEEE-V10I10P118">https://doi.org/10.14445/23488379/IJEEE-V10I10P118</a>

12	ECE	Dr. N.S.S. Reddy	ECE	Design and Implementation of Hybrid Logic Based MAC Unit using 45nm Technology	e-Prime Advances in Electrical Engineering, Electronics and Energy	Oct-2023	2772-6711	Scopus	<a href="https://doi.org/10.1016/j.prime.2023.100317">https://doi.org/10.1016/j.prime.2023.100317</a>
13	ECE	Dr. N.S.S. Reddy	ECE	Design and Implementation of Hybrid Multiplier for DSP Applications	International Journal on Recent and Innovation Trends in Computing and Communication	Nov-2023	2321-8169	Scopus	<a href="https://ijritcc.org/index.php/ijritcc/article/view/8556/6687">https://ijritcc.org/index.php/ijritcc/article/view/8556/6687</a>
14	ECE	Dr. N.S.S. Reddy	ECE	Design of SRAM Cell using Modified Lector and Dual Threshold Method Based on FINFET	International Journal on Recent and Innovation Trends in Computing and Communication	Nov-2023	2321-8169	Scopus	<a href="https://doi.org/10.17762/ijritcc.v11i10.8556">https://doi.org/10.17762/ijritcc.v11i10.8556</a>
15	ECE	Dr. K. Veera Swamy	ECE	Multimodal medical image fusion using residual network 50 in non subsampled contourlet transform	The Imaging Science Journal	Nov-2023		SCI	<a href="https://doi.org/10.1080/13682199.2023.2175426">https://doi.org/10.1080/13682199.2023.2175426</a>
16	ECE	Dr. N.S.S. Reddy	ECE	Design and Analysis of Hybrid 10T adder for Low Power Applications	e-Prime - Advances in Electrical Engineering, Electronics and Energy	Nov-2023	2772-6711	Scopus	<a href="https://doi.org/10.1016/j.prime.2023.100379">https://doi.org/10.1016/j.prime.2023.100379</a>
17	ECE	Dr. N.S.S. Reddy	ECE	Performance analysis of adiabatic logic gates with different device and circuit parameters	e-Prime - Advances in Electrical Engineering, Electronics and Energy	Dec-2023	2772-6711	Scopus	<a href="https://doi.org/10.1016/j.prime.2023.100373">https://doi.org/10.1016/j.prime.2023.100373</a>

18	ECE	Dr. N.S.S. Reddy	ECE	Design and Optimization of Reversible Arithmetic Unit Using Modified Gate Diffusion Input Logic	International Journal of Electronics	Dec-2023	-	SCIE	<a href="https://doi.org/10.1080/00207217.2023.2289483">https://doi.org/10.1080/00207217.2023.2289483</a>
19	ECE	Mrs. K.R. Deepthi , Dr. K. Deepti , Mrs. Ch. Neetu	ECE	Hybrid distributed online and alternating convex optimization-based initial value accelerated hybrid precoding for millimeter wave multiple-input-multiple-output	International Journal of Communication Systems	Dec-2023	-	SCIE	<a href="https://doi.org/10.1002/dac.5660">https://doi.org/10.1002/dac.5660</a>
20	ECE	Dr. E. Sreenivasa Rao	ECE	Design of low power SRAM cells with increased read and write performance using Read - Write assist technique	e-Prime - Advances in Electrical Engineering, Electronics and Energy 7 (2024) 100381	Dec-2023	2772-6711	Scopus	<a href="https://doi.org/10.1016/j.prim.e.2023.100381">https://doi.org/10.1016/j.prim.e.2023.100381</a>
21	ECE	Ms. G.R. Padmini	ECE	Comparison of Different Full Adders and Its Applications	International Journal of Analog Integrated Circuits	Dec-2023	2582-3620	Other	<a href="https://doi.org/10.37628/IJAIC">DOI (Journal): 10.37628/IJAIC</a>
22	ECE	Dr. K. Veera Swamy	ECE	COVID-19 Detection Using Decision Tree Support Vector Machine Random Forest.	International Journal of Embedded Systems and Emerging Technologies	Dec-2023	2456-723X	Other	<a href="https://doi.org/10.37628/IJESSET">DOI (Journal): 10.37628/IJESSET</a>
23	ECE	Ms. R. Leelavathi	ECE	A Comprehensive Approach to Design and Implement a Fast FIR Filter for Signal Processing Applications	International Journal of Microwave Engineering and Technology	Dec-2023	2455-0337	Other	<a href="https://doi.org/10.37628/IJMET">DOI (Journal): 10.37628/IJMET</a>
24	ECE	Dr. K. Krishna Kishore	ECE	Intelligent dynamic spectrum access using fuzzy logic in cognitive radio networks	Discover Applied Sciences	Jan-2024	-	SCI	<a href="https://doi.org/10.1007/s42452-024-05641-7">https://doi.org/10.1007/s42452-024-05641-7</a>

25	ECE	Dr. K. Veera Swamy , Dr. Srilakshmi Aouthu	ECE	Engineering Course Development Process to Meet Outcome Based Education	Journal of Engineering Education Transformations	Jan-2024	2394-1707	Scopus	<a href="https://journaleet.in/articles/engineering-course-development-process-to-meet-outcome-based-education">https://journaleet.in/articles/engineering-course-development-process-to-meet-outcome-based-education</a>
26	ECE	Dr. Srilakshmi Aouthu	ECE	Analytical study on design and development of herichal clustering using ADHS Algorithm	Juni Khyat	Jan-2024	ISSN : 2278-4632	UGC Care	<a href="#">6 online jan.pdf (junikhyatjournal.in)</a>
27	ECE	Dr. K. Veera Swamy , Dr. Srilakshmi Aouthu	ECE	Performance Evaluation of QI-Mac Protocol for Wireless Sensor Network	Juni Khyat	Jan-2024	ISSN : 2278-4632	UGC Care	-
28	ECE	Ms. B.Uma Mahesh babu	ECE	Trajectory Interception Classification for Prediction of Collision Scope Between Moving Objects	Scalable Computing: Practice and Experience	Feb-2024	1895-1767	Web of Science	<a href="https://doi.org/10.12694/scpe.v25i2.2621">https://doi.org/10.12694/scpe.v25i2.2621</a>
29	ECE	Dr. D.M.K. Chaitanya	ECE	Quad element luna-shaped UWB-MIMO antenna with improved isolation and gain using novel decoupling networks	Wireless Networks The Journal of Mobile Communication , Computation and Information	Feb-2024	-	SCIE	<a href="https://doi.org/10.1007/s11276-024-03694-5">https://doi.org/10.1007/s11276-024-03694-5</a>
30	ECE	Dr. K. Deepti	ECE	Implementation and Verification of Dual Port RAM for High-Speed Applications	International Journal of Electronic Design Technology	Feb-2024	2229-6980 (o) 2321-4228 (p)	other	<a href="#">DoI (Journal): 10.37591/JoEDT</a>
31	ECE	Dr. N.S.S. Reddy	ECE	Design of Low Power High-Speed Full, Swing 11T CNTFET Adder	e-Prime-Advances in Electrical Engineering, Electronics and Energy	Mar-2024	2772-6711	Scopus	<a href="https://doi.org/10.1016/j.prime.2024.100516">https://doi.org/10.1016/j.prime.2024.100516</a>

32	ECE	Dr. N.S.S. Reddy	ECE	Implementation of FinFET Based 14T SRAM Memory Cell using Modified Lector Technique & Dual Threshold	International Journal of Intelligent Systems and Applications in Engineering	Mar-2024	2147-6799	Scopus	-
33	ECE	Dr. K. Veera Swamy	ECE	Wide Band Flexible Antenna for Future V2X and 5G Automotive Vehicular Imaging and Position Prediction Applications	International Journal of Intelligent Systems and Applications in Engineering	Mar-2024	2147-6799	Scopus	-
34	ECE	Dr. S. Aruna Deepthi	ECE	An Optimized Recurrent Neural Network for re-modernize Food Dining Bowls and Estimating Food Capacity from Images	Entertainment Computing	Mar-2024	1875-7521	SCI	<a href="https://doi.org/10.1016/j.entcom.2024.100664">https://doi.org/10.1016/j.entcom.2024.100664</a>
35	ECE	Mrs. K.R. Deepthi	ECE	Optimization of Hybrid Precoding in Massive MIMO using Kalman's Algorithm	Recent Trends in Electronics and Communication Systems	Mar-2024	-	Other	<a href="https://engineeringjournals.stmjournals.in/index.php/RTECS/article/view/7749">https://engineeringjournals.stmjournals.in/index.php/RTECS/article/view/7749</a>
36	ECE	Dr.S. Aruna Deepthi, V. Aruna, S. Jhansi, R. Leelavathi	ECE	Data security system for a bank using Hybrid algorithm	Journal of Electronic Design Technology	Mar-2024	-	Other	<a href="https://engineeringjournals.stmjournals.in/index.php/JoEDT/article/view/7732/0">https://engineeringjournals.stmjournals.in/index.php/JoEDT/article/view/7732/0</a>
37	ECE	Dr. E. Sreenivasa Rao	ECE	Design of Improved Write and Read Performance 12T Sram Cell with Leakage Power Control Technique	e-Prime - Advances in Electrical Engineering, Electronics and Energy	Apr-2024	2772-6711	Scopus	<a href="https://doi.org/10.1016/j.prime.2024.100539">https://doi.org/10.1016/j.prime.2024.100539</a>
38	ECE	Dr. K. Deepti	ECE	An Analytical Approach to Network with IoT Security Using Nodemcu Access Point-Prevention Technique	i-manager's Journal on Electronics Engineering	Apr-2024	-	other	<a href="https://doi.org/10.26634/jele.14.2.20488">DOI:10.26634/jele.14.2.20488</a>

39	ECE	Dr. Srilakshmi Aouthu	ECE	Analysis of Spatial Correlation Properties and Received Signal Characteristics of Large Dimensional Ris-Assisted Communication in Next Generation Radio Networks	Telecommunica tions and Radio Engineering	May- 2024	ISSN Imprimer: 0040-2508  ISSN En ligne: 1943-6009	Scopus	<a href="https://researcher.manipal.edu/en/publications/analysis-of-spatial-correlation-properties-and-received-signal-ch">https://researcher.manipal.edu/en/publications/analysis-of-spatial-correlation-properties-and-received-signal-ch</a>
40	ECE	Dr. Srilakshmi Aouthu	ECE	Robust video watermarking with complex conjugate symmetric sequencytransform using SURF feature matching	COGENT ENGINEERING	May- 2024	2331-1916	SCIE	<a href="https://doi.org/10.1080/23311916.2024.2345851">https://doi.org/10.1080/23311916.2024.2345851</a>
41	ECE	Mrs. V. Aruna	ECE	Variable Hybrid Action Space Deep Q-Networks for Optimal Power Allocation and User Association in Heterogeneous Networks	Wireless Personal Communications	Jun- 2024	-	SCI	<a href="https://doi.org/10.1007/s11277-024-11255-4">https://doi.org/10.1007/s11277-024-11255-4</a>
42	ECE	Dr. K. Deepti	ECE	Investigations on Color Normalization Technique Using CycleGAN Based Machine Learning Algorithms for Breast Cancer Detection-Data Deployment	J. Inst. Eng. India Ser. B	Jun- 2024	-	Scopus	<a href="https://doi.org/10.1007/s40031-024-01086-z">https://doi.org/10.1007/s40031-024-01086-z</a>