



K.S. INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
RESEARCH PUBLICATIONS
QUALITY PUBLICATIONS
Academic Year 2023-24

SCI Publications

INTERNATIONAL JOURNAL PUBLICATIONS			
Sl. No.	Name of the Faculty	Title of the Paper	Publication Details (Journal name, Vol., No., pp, month & year, DOI, ISSN:), Impact Factor: Indexed in SCI/Scopus/UGC, No. of Citations
1	Dr. P N Sudha	Development of renewable energy system for low power underwater devices	Indonesian Journal of Electrical Engineering and Computer Science Vol. 31, No. 1, pp. 68-76 , July 2023. [ISSN: 2502-4752] [Q2] DOI: http://doi.org/10.11591/ijeecs.v31.i1.pp68-76 . Scopus Link: https://www.scopus.com/sourceid/21100799500 SCI Link: https://www.scimagojr.com/journalsearch.php?q=21100799500&tip=sid&clean=0 Paper Link: https://ijeecs.iaescore.com/index.php/IJEECS/article/view/29920/17389
2	Dr. Rekha N	Reinforcing Optimization enabled Interactive Approach for Liver Tumor Extraction in CT Images	International Journal of Electrical and Computer Engineering (IJECE), Vol.13, No.4, pp.4076-4086, August 2023. [ISSN 2088-8708]. [Q2] Scopus Link: https://www.scopus.com/sourceid/21100373959 SCI Link: https://www.scimagojr.com/journalsearch.php?q=2088-8708 DOI: 10.11591/ijece.v13i4.pp4076-408 Paper Link: https://ijece.iaescore.com/index.php/IJECE/article/view/30028/16689
3	Dr. Saleem S Tevaramani	Arnold Transform-Lifting Wavelet Transform and Singular Value Decomposition Based Alpha Blending Image Steganography for Secure Communication	International Journal of Intelligent Systems and Applications in Engineering, Vol.12, No.1, pp.536-542 October 2023.[ISSN: 2147-6799]. [Q3] Scopus Link: https://www.scopus.com/sourceid/21101021990 SCI Link: https://www.scimagojr.com/journalsearch.php?q=2147-6799 Paper Link: https://ijisae.org/index.php/IJISAE/article/view/3951/2597

4	Dr. Surekha B	An adaptive watershed segmentation based medical image denoising using deep convolutional neural networks	Biomedical Signal Processing and Control, Vol. 93, No. 106119, July 2024. ISSN: 1746-8094 [Q1] Scopus Link: https://www.scopus.com/sourceid/4700152237 SCI Link: https://www.scimagojr.com/journalsearch.php?q=4700152237&tip=sid&clean=0 Paper Link: https://www.sciencedirect.com/science/article/pii/S1746809424001770?dgcid=coauthor DOI Link: https://doi.org/10.1016/j.bspc.2024.106119
5	Dr. Anita P	Design And Validation Of A 32-Bit RISC-V Processor Incorporating Vedic Mathematics	Educational Administration: Theory and Practice 2024, Vol.30, No.5, pp.12904-12909, May 2024 [ISSN: 2148-2403] Scopus link: https://www.scopus.com/sourceid/21100943319 Journal Link: https://kuey.net/index.php/kuey/index Paper Link: https://kuey.net/index.php/kuey/article/view/4465 DOI: https://doi.org/10.53555/kuey.v30i5.4465
6	Dr. Electa Alice Jayarani	Machine Learning and Deep Learning Analysis of Vehicle Carbon Footprint	International Journal of Environmental Impacts, Vol. 7, No. 2, pp. 287-292, June 2024 [ISSN: 2398-2640] Q3 Scopus Link : https://www.scopus.com/sourceid/21101152867 Paper Link: https://iieta.org/journals/ijei/paper/10.18280/ijei.070213 DOI: https://doi.org/10.18280/ijei.070213

SCOPUS Publications

Book chapter publications			
Sl. No.	Name of the Faculty	Title of the Chapter	Publication Details (Book Title, Publisher, pp. ISBN/ISSN: Year), Impact Factor, Indexed in SCI/Scopus/UGC, No. of Citations
1	Dr. Rekha N	Computer Vision Based Home Automation	Recent Trends in Computational Sciences, First Edition, CRC Press, Taylor & Francis group, London, pp.51-56, November 2023. [eBook ISBN: 9781003363781] Link: https://www.taylorfrancis.com/books/edit/10.1201/9781003363781/recent-trends-computational-sciences-gururaj-francesco-flammini-pooja?refId=3ce8ec7d-d3c4-4921-bf47-6e4456a3e8f4&context=ubx Book Link: https://www.taylorfrancis.com/chapters/edit/10.1201/9781003363781-8/computer-vision-based-home-automation-srinivasan-srividya-rekha?context=ubx&refId=5757c4da-3f60-4685-b9e2-7ea45ab8e170

IEEE/SPRINGER CONFERENCE PUBLICATIONS

IEEE/SPRINGER CONFERENCE PUBLICATIONS			
Sl. No	Name of the Faculty	Title of the paper	Title of the Conference, Place, Dates, Year, pp. ISBN/ISSN:SCI/Scopus/UGC Indexed Link, No. of Citations
1	Dr.Rekha N	A Novel Method of Bitcoin Price Prediction	International Conference on Computing and Data Science ICCDS 26-27th April 2024-2024,Chennai, IEEE Explore,June2024 pg. 1-4 DOI: 10.1109/ICCDS60734.2024.10560443 Paper link: https://ieeexplore.ieee.org/document/10560443?denied=
2	Dr.Electa Alice Jayarani	Machine learning and Deep learning Techniques for Pest and Disease Detection in Sustainable Agriculture : A Study	International Conference on Innovations in Cyber security and data Science (ICICDS-2024) 15 th -16 th March 2024 Reva University, Bengaluru [In Press]
3	Dr.Saleem S Tevaramani	Dual tree Complex Wavelet Transformation and Bit Plane Slicing: Approach to image Steganography for Secure Communication	2 nd International Conference on Smart Technologies, Communication and Robotics ICSCR-2024, 27 th - 28 th June 2024,East Point College of Engineering & Technology, Bengaluru. [In Press]