



K.S. INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
LIST OF RESEARCH PUBLICATIONS
ACADEMIC YEAR 2023-24

Details of Research Publications

BOOK CHAPTER PUBLICATIONS

Sl. No.	Name of the faculty	Title of the book	Publication details (Publisher, 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

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 , [ISSN: 2502-4752] a Scopus/ScimagoJR indexed Q2 journal on July 2023. 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.P.NSudha	Literature survey on smart real-time drainage monitoring system	Journal of Emerging Technologies and Innovative Research (JETIR) Vol. 10, No. 12, pp. g674-g678, December 2023 [ISSN: 2349-5162]. Paper link: https://www.jetir.org/papers/JETIR2312679.pdf
3	Dr.P.NSudha	Literature survey on water purifier	Journal of Emerging Technologies and Innovative Research (JETIR) Vol. 10, No. 12, pp. g619-g624, December 2023 [ISSN: 2349-5162]. Paper link: https://www.jetir.org/papers/JETIR2312672.pdf
4	Dr.P.NSudha	Literature Survey on	Journal of Emerging Technologies and Innovative

		Authenticated Access Control for Vehicle Ignition System by Driver's License and Fingerprint Technology	Research (JETIR)Vol. 10, No. 12,pp. g509-g515, December 2023[ISSN: 2349-5162]. Paper link: https://www.jetir.org/papers/JETIR2312659.pdf
5	Dr. P N Sudha	Low Cost Water Purifier	Journal of Emerging Technologies and Innovative Research (JETIR)Vol. 11, No. 5, pp h793-h799, May 2024 [ISSN:2349-5162]. Paper Link: https://www.jetir.org/papers/JETIR2405800.pdf
6	Dr. P N Sudha	Smart Real Time Drainage Monitoring System	Journal of Emerging Technologies and Innovative Research (JETIR)Vol. 11, No. 5, pp g156-g161, May 2024 [ISSN:2349-5162]. Paper Link: https://www.jetir.org/papers/JETIR2405620.pdf
7	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
8	Dr. Sudarshan B	Smart Glass for Individual with Hearing Impairment	Journal of Emerging Technologies and Innovative Research (JETIR)Vol. 11, No. 5, pp f856-f861, May 2024 [ISSN:2349-5162]. Paper Link: https://www.jetir.org/papers/JETIR2405594.pdf
9	Dr. Sudarshan B	Survey on Bluetooth Controlled Pick and Place Robots for Industrial Applications	Journal of Emerging Technologies and Innovative Research (JETIR)Vol. 11, No. 5, pp k193-k197, May 2024 [ISSN: 2349-5162]. Paper Link: https://www.jetir.org/papers/JETIR2405A24.pdf
10	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, [ISSN 2088-8708], a Scopus/ScimagoJR indexed Q2 Jjournal on August, 2023. 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
11	Dr. Rekha N	A Survey on	Journal of Emerging Technologies and Innovative

		Automatic Accident Insurance claim	Research (JETIR) Vol. 10, No. 12, pp. g423-g430, December 2023 [ISSN: 2349-5162]. Paper link: https://www.jetir.org/papers/JETIR2312651.pdf
12	Dr. Rekha N	Wi-Fi based industry protection system	Journal of Emerging Technologies and Innovative Research (JETIR) Vol. 10, No. 12, pp. g563-g569, December 2023 [ISSN: 2349-5162]. Paper link: https://www.jetir.org/papers/JETIR2312665.pdf
13	Dr. Rekha N	WIFI Based Industry Protection System	Journal of Emerging Technologies and Innovative Research (JETIR) Vol. 11, No. 5, pp f654-f662, May 2024 [ISSN:2349-5162]. Paper Link: https://www.jetir.org/papers/JETIR2405574.pdf
14	Dr. Rekha N	Automatic Accident Insurance Claim	Journal of Emerging Technologies and Innovative Research (JETIR) Vol. 11, No. 5, pp e124-e135, May 2024 [ISSN:2349-5162]. Paper Link: https://www.jetir.org/papers/JETIR2405413.pdf
15	Dr. Dinesh Kumar D.S	Mobile Jammer Circuit	International Advanced Research Journal in Science, Engineering and Technology, Vol. 10, No. 6, pp. 31-33, JULY 2023 [ISSN: 2393-8021]. DOI: 10.17148/IARJSET.2023.10707 Paper Link: https://iarjset.com/wp-content/uploads/2023/07/IARJSET.2023.10707.pdf
16	Dr. Dinesh Kumar	RFID Based Attendance Management System	International Journal of Creative Research Thoughts – ijert(IJCRT.ORG), Vol.11,[1],No.12,pp.815-823,December 2023 [ISSN: 2320-2882]. Paper link: http://www.ijert.org/papers/IJCRT2312537
17	Dr. Dinesh Kumar	Sensor-Based Smart Wireless Emergency Pendant	Journal of Emerging Technologies and Innovative Research (JETIR) Vol. 11, No. 1, pp. b172-b177, January 2024 [ISSN: 2349-5162]. Paper link: https://jetir.org/papers/JETIR2401120.pdf
18	Dr. Dinesh Kumar D S	Sensor Based Smart Wireless Emergency Pendant	International Journal of Creative Research Thoughts (IJCRT), Vol.12, No.5, pp. f442-f447, May 2024 [ISSN:2320-2882]. Paper Link: https://www.ijert.org/papers/IJCRT2405581.pdf
19	Dr. Dinesh Kumar D S	RFID Based Attendance Management System	Journal of Emerging Technologies and Innovative Research (JETIR) Vol. 11, No. 4, pp p493-p499, April 2024 [ISSN:2349-5162]. Paper Link: https://www.jetir.org/papers/JETIR2404G64.pdf
20	Mr. Santhosh Kumar B.R	Accident prevention system in railways	Journal of Emerging Technologies and Innovative Research (JETIR) Vol. 10, No. 12, pp. h86-h90, December 2023 [ISSN: 2349-5162]. Paper link: https://www.jetir.org/papers/JETIR2312711.pdf
21	Mr. Santosh Kumar B R	An E-Commerce Platform for Farmers	Journal of Emerging Technologies and Innovative Research (JETIR) Vol. 11, No. 5, pp e535-e542, May 2024

			[ISSN:2349-5162]. Paper Link: https://www.jetir.org/papers/JETIR2405463.pdf
22	Mr. Santhosh Kumar B.R	A Survey on Farmer-to-consumer website with sensors	Journal of Emerging Technologies and Innovative Research (JETIR)Vol.10, No.12, pp.g516-g522, December 2023[ISSN: 2349-5162]. Paper link: https://www.jetir.org/papers/JETIR2312660.pdf
23	Mr. Santosh Kumar B R	Accident Prevention System for Railways	Journal of Emerging Technologies and Innovative Research (JETIR)Vol. 11, No. 5, pp f874-f881, May 2024 [ISSN:2349-5162]. Paper Link: https://www.jetir.org/papers/JETIR2405597.pdf
24	Dr. Devika B	A Survey on Smart Car Parking System	Journal of Emerging Technologies and Innovative Research (JETIR)Vol. 10, No. 12,pp. g417-g422, December 2023[ISSN: 2349-5162]. Paper Link: https://www.jetir.org/papers/JETIR2312650.pdf
25	Dr.Devika B	A Survey on tech-feed: intelligent feeding for furry friends	Journal of Emerging Technologies and Innovative Research (JETIR)Vol. 10, No.12,pp. g194-g197, December 2023[ISSN: 2349-5162]. Paper link: https://www.jetir.org/papers/JETIR2312627.pdf
26	Dr. Devika B	Tech-Feed: Intelligent Feeding For Furry Friends	Journal of Emerging Technologies and Innovative Research (JETIR)Vol. 11, No. 5, pp c180-c185, May 2024 [ISSN:2349-5162]. Paper Link: https://www.jetir.org/papers/JETIR2405221.pdf
27	Dr. Devika B	Smart Car Parking System	Journal of Emerging Technologies and Innovative Research (JETIR) Vol. 11, No. 5, pp n410-n415, May 2024. [ISSN: 2349-5162]. Paper Link: https://www.jetir.org/papers/JETIR2405D61.pdf
28	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/ije/paper/10.18280/ije.070213 DOI: https://doi.org/10.18280/ije.070213
29	Mrs. Ramya KR	A Survey on Fruits and Vegetables Quality Monitoring Systems	Journal of Emerging Technologies and Innovative Research (JETIR) Vol. 11, No. 1,pp. a225-a228, January 2024[ISSN: 2349-5162]. Paper link: https://www.jetir.org/papers/JETIR2401027.pdf
30	MrsRamya K R	Fruits and Vegetables Quality Monitoring Using IOT	Journal of Emerging Technologies and Innovative Research (JETIR) Vol. 11, No. 5, pp g145-g155, May 2024 [ISSN: 2349-5162]. Paper Link: https://www.jetir.org/papers/JETIR2405619.pdf
31	Mrs. VishaliniDiwak	A Survey paper on voice controlled	Journal of Emerging Technologies and Innovative Research (JETIR)Vol. 11, No. 1,pp. a163-a166, January

	ar	elevator	2024[ISSN: 2349-5162]. Paper link: https://www.jetir.org/papers/JETIR2401020.pdf
32	Mrs. Vishalini Divakar	A Review on solar powered lake cleaning robot	Journal of Emerging Technologies and Innovative Research (JETIR) Vol. 10, No. 12, pp. g599-g603, December 2023 [ISSN: 2349-5162]. Paper link: https://www.jetir.org/papers/JETIR2312669.pdf
33	Mrs. Vishalini Divakar	Solar Powered Lake Cleaning Robot	Journal of Emerging Technologies and Innovative Research (JETIR) Vol. 11, No. 5, pp h420-h433, May 2024 [ISSN: 2349-5162]. Paper Link: https://www.jetir.org/papers/JETIR2405754.pdf
34	Mrs. Vishalini Divakar	Voice Controlled Elevator	Journal of Emerging Technologies and Innovative Research (JETIR) Vol. 11, No. 5, pp a168-a171, May 2024 [ISSN: 2349-5162]. Paper Link: https://www.jetir.org/papers/JETIR2405022.pdf
35	Mrs. Sangeetha V	Survey of robotic vacuum cleaners	Journal of Emerging Technologies and Innovative Research (JETIR) Vol. 11, No. 1, pp. a453-a459, January 2024 [ISSN: 2349-5162]. Paper Link: https://www.jetir.org/papers/JETIR2401053.pdf
36	Mrs. Sangeetha V	Smart blind shopping carrier	Journal of Emerging Technologies and Innovative Research (JETIR) Vol. 10, No. 12, pp. g668-g673, December 2023 [ISSN: 2349-5162]. Paper link: https://www.jetir.org/papers/JETIR2312678.pdf
37	Mrs. Sangeetha V	Campus Cleaner Bot	Journal of Emerging Technologies and Innovative Research (JETIR) Vol. 11, No. 5, pp f173-f183, May 2024 [ISSN: 2349-5162]. Paper Link: https://www.jetir.org/papers/JETIR2405520.pdf
38	Mrs. Sangeetha V	Implementation of Smart Shopping Trolley	International Journal for Multidisciplinary Research (IJFMR) Volume 6, No. 3, pp 1-5, May-June 2024 [ISSN: 2582-2160]. Paper Link: https://www.ijfmr.com/papers/2024/3/19808.pdf
39	Mr. Praveen A	Bionic Arm	International Advanced Research Journal in Science, Engineering and Technology (IARJSET), Vol. 10, No. 12, pp. 130-133, December 2023 [ISSN: 2320-2882]. DOI: 10.17148/IARJSET.2023.101217 Paper Link: https://iarjset.com/wp-content/uploads/2023/12/IARJSET.2023.101217.pdf
40	Mr. Praveen A	Prepaid Electricity Energy Meter and Tampering Detection	Journal of Emerging Technologies and Innovative Research (JETIR) Vol. 11, No. 5, pp f442-f449, May 2024 [ISSN: 2349-5162]. Paper Link: https://www.jetir.org/papers/JETIR2405551.pdf
41	Mr. Praveen A	Bionic Arm	Journal of Emerging Technologies and Innovative Research (JETIR) Vol. 11, NO. 5, pp a821-a824, May 2024 [ISSN: 2349-5162].

			Paper Link: https://www.jetir.org/papers/JETIR2405098.pdf
42	Mr. S Christo Jain	Brain-Computer Interface to achieve Aided Communication	Journal of Emerging Technologies and Innovative Research (JETIR)Vol. 10, No. 12,pp. g523-g532, December 2023[ISSN: 2349-5162]. Paper link: https://www.jetir.org/papers/JETIR2312661.pdf
43	Mr. S Christo Jain	Laser engraving	Journal of Emerging Technologies and Innovative Research (JETIR)Vol. 11, No. 1, pp. a668-a670, January 2024[ISSN: 2349-5162]. Paper link: https://www.jetir.org/papers/JETIR2401082.pdf
44	Mr. Christo Jain	Laser Engraving	Journal of Emerging Technologies and Innovative Research (JETIR)Vol. 11, No. 5, pp g571-g574, May 2024 [ISSN: 2349-5162]. Paper Link: https://www.jetir.org/papers/JETIR2405670.pdf
45	Mr. S Christo Jain	Brain Computer Interface to achieve Aided Communication	Journal of Emerging Technologies and Innovative Research (JETIR)Vol. 11, No. 5, pp e389-e400, May 2024 [ISSN: 2349-5162]. Paper Link: https://www.jetir.org/papers/JETIR2405444.pdf
46	Mr. Saleem S Tevaramani	Arnold Transform-Lifting Wavelet Transform and Singular ValueDecomposition Based Alpha Blending ImageSteganography for Secure Communication	International Journal of Intelligent Systems and Applications in Engineering, Vol.12, No.1, PP.536-542 [ISSN: 2147-6799], a Scopus/ScimagoJR indexed Q3 journal on October, 2023. 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
47	Mr. Saleem S Tevaramani	IOT Based prepaid electric vehicle charging station	Journal of Emerging Technologies and Innovative Research (JETIR)Vol. 11, No. 1,pp. a220-a224, January 2024[ISSN: 2349-5162]. Paper link: https://www.jetir.org/papers/JETIR2401026.pdf
48	Mr. Saleem S Tevaramani	Smart Bus Management System	Journal of Emerging Technologies and Innovative Research (JETIR)Vol. 10, No. 12,pp. g499-g502, December 2023[ISSN: 2349-5162]. Paper link: https://www.jetir.org/papers/JETIR2312657.pdf
49	Mr. Saleem S Tevaramani	IOT Based Prepaid Electric Vehical Charging Station	Journal of Emerging Technologies and Innovative Research (JETIR)Vol. 11, No. 5, pp h548-h554, May 2024 [ISSN: 2349-5162]. Paper Link: https://www.jetir.org/papers/JETIR2405768.pdf
50	Mr. Saleem S Tevaramani	Optimizing Transportation for Smart bus	Journal of Emerging Technologies and Innovative Research (JETIR)Vol. 11, No. 5, pp f572-f578, May 2024 [ISSN:2349-5162].

		Management System	Paper Link: https://www.jetir.org/papers/JETIR2405567.pdf
51	Mr. Satish Kumar B	Vehicle Fuel Theft Detection and Monitoring System	Journal of Emerging Technologies and Innovative Research (JETIR) Vol. 10, No. 12, pp. h144-h151, December 2023 [ISSN: 2349-5162]. Paper link: https://www.jetir.org/papers/JETIR2312717.pdf
52	Mr. Satish Kumar B	Vehicle Fuel Theft Detection and Monitoring System	Journal of Emerging Technologies and Innovative Research (JETIR) Vol. 11, NO. 5, pp m1-m6, May 2024 [ISSN: 2349-5162]. Paper Link: https://www.jetir.org/papers/JETIR2405C01.pdf
53	Mrs. Bhargavi Ananth	Visitors Robotic Guide	Journal of Emerging Technologies and Innovative Research (JETIR) Vol. 10, No. 12, pp. g778-g783, December 2023 [ISSN: 2349-5162]. Paper link: https://www.jetir.org/papers/JETIR2312693.pdf
54	Mrs. Bhargavi Ananth	Literature survey on library management robot	Journal of Emerging Technologies and Innovative Research (JETIR) Vol. 11, No. 1, pp. a492-a496, January 2024 [ISSN: 2349-5162]. Paper link: https://www.jetir.org/papers/JETIR2401059.pdf
55	Mrs. Bhargavi Ananth	Library Management Robot	Journal of Emerging Technologies and Innovative Research (JETIR) Vol. 11, No. 5, pp I67-I76, May 2024 [ISSN: 2349-5162]. Paper Link: https://www.jetir.org/papers/JETIR2405B11.pdf
56	Mrs. Bhargavi Ananth	Visitors Robotic Guide Using Raspberry PI	Journal of Emerging Technologies and Innovative Research (JETIR) Vol. 11, No. 5, pp h530-h546, May 2024 [ISSN: 2349-5162]. Paper Link: https://www.jetir.org/papers/JETIR2405767.pdf
57	Mrs. Suma Santosh	Survey On Railway Management System	Journal of Emerging Technologies and Innovative Research (JETIR) Vol. 10, No:12, pp. h29-h32, December 2023 [ISSN: 2349-5162]. Paper link: https://www.jetir.org/papers/JETIR2312705.pdf
58	Mrs. Suma Santosh	Railway Management System using IOT	Journal of Emerging Technologies and Innovative Research (JETIR) Vol. 11, No. 5, pp I167-I176, May 2024 [ISSN: 2349-5162]. Paper Link: https://www.jetir.org/papers/JETIR2405B25.pdf
59	Mrs. Anita P	Hand gesture wheel chair control with fall detection system and location alert	International Journal of Creative Research Thoughts - ijcr (IJCRT.ORG) Vol. 11, No. 12, pp. H223-h229, December 2023 [ISSN: 2320-2882]. Paper Link: http://www.ijcrt.org/papers/IJCRT2312810
60	Dr. Anita P	Hand Gesture Wheel Chair Control With Fall Detect System and Location Alert	Journal of Emerging Technologies and Innovative Research (JETIR) Vol. 11, No. 4, pp p108-p113, April 2024 [ISSN: 2349-5162]. Paper Link: https://www.jetir.org/papers/JETIR2404G14.pdf
61	Dr. Anita P	Design And Validation Of A 32-Bit RISC-V Processor	Educational Administration: Theory and Practice 2024, Vol.30, No.5, pp.12904-12909, May 2024. [ISSN: 2148-2403] Scopus link:

		Incorporating Vedic Mathematics	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
INTERNATIONAL 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]