



K.S. INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

LIST OF RESEARCH PUBLICATIONS

ACADEMIC YEAR 2024-25

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. Bharathi Gururaj	Embedded Hamming Scheme Implementation Using Single Bit Error Detection and Correction	eBook Series: Advances in Transdisciplinary Engineering, Proceedings of the 4th International Conference (AMMCS 2024), Wuhan, China, 17-18 August 2024 Vol.61, pp.550 – 557 ISBN: 978-1-64368-551-9 Book Link: https://ebooks.iospress.nl/doi/10.3233/ATDE240804 Scopus Link: https://www.scopus.com/sourceid/21101194991 Proceedings Link: https://ebooks.iospress.nl/volume/applied-mathematics-modeling-and-computer-simulation-proceedings-of-the-4th-international-conference-ammcs-2024-wuhan-china-17-18-august-2024?_gl=1*1j3j8ie*_up*MQ..*_ga*MzE5OTU2OTg2LjE3MzY5MTUyMjQ.*_ga_6N3Q0141SM*MTczNjkxNTlyMy4xLjAuMTczNjkxNTlyMy4wLjAuMA..
2	Dr. Electa Alice Jayarani A	Machine learning and Deep learning Techniques for Pest and Disease Detection in Sustainable Agriculture: A Study	Algorithms for Intelligent Systems. PP. 397-408, Dec 2024, Springer, Singapore. Proceedings Of International Conference on Innovations in Cyber security and data Science (ICICDS-2024). ISBN:978-981-97-5790-9 Springer Link: https://link.springer.com/chapter/10.1007/978-981-97-5791-6_30 DOI: https://doi.org/10.1007/978-981-97-5791-6_30 Book Link: https://books.google.co.in/books?hl=en&lr=lang_en&id=o5o3EQAAQBAJ&oi=fnd&pg=PA397&ots=LJ9BAgif89&sig=pwkf11KIUvhxEassGUz7E0_aivM&redir_esc=y#v=onepage&q&f=false

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	Sustainable energy harvesting system for low-power underwater sensing devices	Indonesian Journal of Electrical Engineering and Computer Science, Vol. 35, No. 3, pp. 1379-1387 September 2024 [ISSN: 2502-4752] (Q2) Scopus Link: https://www.scopus.com/sourceid/21100799500 SCI Link: https://www.scimagojr.com/journalsearch.php?q=2502-4752 DOI: http://doi.org/10.11591/ijeecs.v35.i3.pp1379-1387 Paper Link: https://ijeecs.iaescore.com/index.php/IJEECS/article/view/36389
2	Dr. P.N Sudha	Adaptive Channel Coding to Enhance the Performance in Rayleigh Channel	(IJACSA) International Journal of Advanced Computer Science and Applications, Vol.15, No. 6, pp. 504-511 2024. [ISSN: 2156-5570] (Q3) Scopus Link: https://www.scopus.com/sourceid/21100867241 SCI Link: https://www.scimagojr.com/journalsearch.php?q=21100867241&tip=sid&clean=0 DOI: http://dx.doi.org/10.14569/IJACSA.2024.0150652 Paper Link: https://thesai.org/Publications/ViewPaper?Volume=15&Issue=6&Code=ijacsa&SerialNo=52
3	Dr. P.N Sudha	Car-Smart Cockpit	International Advanced Research Journal in Science, Engineering and Technology, Vol. 11, No. 7, pp. 650-654, July 2024 [ISSN: 2394-1588] DOI: 10.17148/IARJSET.2024.117110 Paper Link: https://iarjset.com/wp-content/uploads/2024/08/IARJSET.2024.117110.pdf
4	Dr. P.N Sudha	Color Sorting and Line Following Robot	International Advanced Research Journal in Science, Engineering and Technology, Vol. 11, No. 12, pp. 168-172, Dec 2024 [ISSN: 2394-1588] DOI: 10.17148/IARJSET.2024.111221 Paper Link: https://iarjset.com/wp-content/uploads/2024/12/IARJSET.2024.111221.pdf
5	Dr. P.N Sudha	Literature survey on IOT Surveillance for Real-Time Distress & Fire Detection	International Advanced Research Journal in Science, Engineering and Technology, Vol. 11, No. 12, pp. 306-310, Dec 2024 [ISSN: 2394-1588] DOI: 10.17148/IARJSET.2024.111246 Paper Link: https://iarjset.com/wp-content/uploads/2024/12/IARJSET.2024.111246.pdf
6	Dr. P.N Sudha	Literature survey on	International Advanced Research Journal in Science, Engineering and Technology, Vol. 11, No. 12, pp. 80-84,

		technology used in Design of Amphibious Hovercraft	Dec 2024 [ISSN: 2394-1588] DOI: 10.17148/IARJSET.2024.111206 Paper Link: https://iarjset.com/wp-content/uploads/2024/12/IARJSET.2024.111206.pdf
7	Dr. P.N Sudha	Generation of electricity through Dry waste	International Advanced Research Journal in Science, Engineering and Technology, Vol. 11, No. 12, pp. 289-294, Dec 2024 [ISSN: 2394-1588] DOI: 10.17148/IARJSET.2024.111243 Paper Link: https://iarjset.com/wp-content/uploads/2024/12/IARJSET.2024.111243.pdf
8	Dr. P.N Sudha	FemSAFE: Voice Activated women's Safety device	International Advanced Research Journal in Science, Engineering and Technology, Vol. 12, No. 5, pp.1700-1704, May 2025 [ISSN: 2394-1588]. DOI: 10.17148/IARJSET.2025.125291 Paper Link: https://iarjset.com/wp-content/uploads/2025/05/IARJSET.2025.125291.pdf
9	Dr. P.N Sudha	Design and analyze circular shaped micro strip patch antenna for C application	International Advanced Research Journal in Science, Engineering and Technology, Vol. 12, No. 5, pp. 2288-2291, May 2025 [ISSN: 2394-1588]. DOI: 10.17148/IARJSET.2025.125376 Paper Link : https://iarjset.com/wp-content/uploads/2025/05/IARJSET.2025.125376.pdf
10	Dr. B. Sudarshan	Implementation of Traditional Fan	International Advanced Research Journal in Science, Engineering and Technology, Vol. 11, No. 7, pp. 505-509, July 2024. [ISSN: 2394-1588] DOI: 10.17148/IARJSET.2024.11784 Paper Link: https://iarjset.com/wp-content/uploads/2024/07/IARJSET.2024.11784.pdf
11	Dr. B. Sudarshan	ARM Cortex M3 Based Elevator	International Advanced Research Journal in Science, Engineering and Technology, Vol. 11, No. 7, pp. 583-585, July 2024 [ISSN: 2394-1588] DOI: 10.17148/IARJSET.2024.11797 Paper Link: https://iarjset.com/wp-content/uploads/2024/07/IARJSET.2024.11797.pdf
12	Dr. Rekha N	Weather Monitoring Using RF Communication	International Advanced Research Journal in Science, Engineering and Technology, Vol. 11, No. 7, pp. 680-687, July 2024 [ISSN: 2394-1588] DOI: 10.17148/IARJSET.2024.117115 Paper Link: https://iarjset.com/wp-content/uploads/2024/08/IARJSET.2024.117115.pdf
13	Dr. Rekha N	Survey on Stair Cleaning Robot	Journal of Emerging Technologies and Innovative Research (JETIR), Vol. 11, No. 12, pp. 125 – 128, Dec 2024 [ISSN: 2394-1588] DOI: 10.17148/IARJSET.2024.111213 Paper Link:

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14	Dr. Rekha N	Voice controlled Air Purifier	International Advanced Research Journal in Science, Engineering and Technology, Vol. 11, No. 12, pp. 358-361, Dec 2024. [ISSN: 2394-1588] DOI: 10.17148/IARJSET.2024.111256 Paper Link: https://iarjset.com/wp-content/uploads/2024/12/IARJSET.2024.111256.pdf
15	Dr. Rekha N	Anti Suicide Kit	International Advanced Research Journal in Science, Engineering and Technology, Vol. 11, No. 12, pp. 254-257, Dec 2024 [ISSN: 2394-1588] DOI: 10.17148/IARJSET.2024.111237 Paper Link: https://iarjset.com/wp-content/uploads/2024/12/IARJSET.2024.111237.pdf
16	Dr. Rekha N	Fire Fighting Robot	International Advanced Research Journal in Science, Engineering and Technology, Vol. 11, No. 12, pp. 315-318, Dec 2024 [ISSN: 2394-1588] DOI: 10.17148/IARJSET.2024.111235 Paper Link: https://iarjset.com/wp-content/uploads/2024/12/IARJSET.2024.111248.pdf
17	Dr. Rekha N	Smart Medicine Box	International Advanced Research Journal in Science, Engineering and Technology, Vol. 11, No. 7, pp. 474-478, July 2024. [ISSN: 2394-1588] DOI: 10.17148/IARJSET.2024.11777 Paper Link: https://iarjset.com/wp-content/uploads/2024/07/IARJSET.2024.11777.pdf
18	Dr. Rekha N	Automated embedded System for Sustainable Rainwater Harvesting and Solar Power Management	International Advanced Research Journal in Science, Engineering and Technology, Vol. 12, No. 5, pp. 1341 - 1346, May 2025 [ISSN: 2394-1588]. DOI: 10.17148/IARJSET.2025.125387 Paper Link: https://iarjset.com/wp-content/uploads/2025/05/IARJSET.2025.125387.pdf
19	Dr. Rekha N	Robotic ARM for Biomedical Waste Sorting Using AI	Journal of emerging Technologies and innovative research, Vol. 12, No. 5, pp. k946-k949, May 2025 [ISSN: 2349-5162]. Paper Link: https://www.jetir.org/papers/JETIR2505B88.pdf
20	Dr. Dinesh Kumar D S	Piezo Smart Door Mat	International Advanced Research Journal in Science, Engineering and Technology, Vol. 11, No. 12, pp. 338-342, Dec 2024. [ISSN: 2394-1588] DOI: 10.17148/IARJSET.2024.111252 Paper Link: https://iarjset.com/wp-content/uploads/2024/12/IARJSET.2024.111252.pdf
21	Dr. Dinesh Kumar D S	Rain Detection and Clothes Protection	Journal of emerging Technologies and innovative research, Vol. 11, No. 12, pp. E802-E806, Dec 2024 [ISSN: 2349-5162] Paper Link: https://www.jetir.org/papers/JETIR2412494.pdf

22	Dr. Dinesh Kumar D S	Geometrical Shapes Drawing Robot Using ARDUINO	International Advanced Research Journal in Science, Engineering and Technology, Vol. 11, No. 7, pp. 536- 540, July 2024. [ISSN: 2394-1588] DOI: 10.17148/IARJSET.2024.11790 Paper Link: https://iarjset.com/wp- content/uploads/2024/07/IARJSET.2024.11790.pdf
23	Dr. Dinesh Kumar D S	Environment Scanning and Navigation of fields with real Time Data Transmission Drone for Agriculture	International Advanced Research Journal in Science, Engineering and Technology, Vol. 11, No. 12, pp.160- 167, Dec 2024. [ISSN: 2394-1588] DOI: 10.17148/IARJSET.2024.111220 Paper Link: https://iarjset.com/wp- content/uploads/2024/12/IARJSET.2024.111220-1.pdf
24	Dr. Dinesh Kumar D S	Autonomous Enemy Detection and Real Time Surveillance Rover for Defence	International Advanced Research Journal in Science, Engineering and Technology, Vol. 11, No. 12, pp. 173- 177, Dec 2024. [ISSN: 2394-1588] DOI: 10.17148/IARJSET.2024.111222 Paper Link: https://iarjset.com/wp- content/uploads/2024/12/IARJSET.2024.111222.pdf
25	Dr. Dinesh Kumar D S	A Modified E- Shaped Array Microstrip Patch Antenna for C Band Satellite Applications	Journal of emerging Technologies and innovative research, Vol. 12, No. 5, pp. g918-g921, May 2025 [ISSN: 2349-5162]. Paper Link: https://www.jetir.org/papers/JETIR2505796.pdf
26	Dr. Dinesh Kumar D S	Performance Analysis on 1*2L shaped microstrip patch antenna for 2.4GHz	International Advanced Research Journal in Science, Engineering and Technology, Vol. 12, No. 5, pp. 1808-1811, May 2025 [ISSN: 2394- 1588]. DOI: 10.17148/IARJSET.2025.125311 Paper Link: https://iarjset.com/wp- content/uploads/2025/05/IARJSET.2025.125311.pdf
27	Mr. B R Santhosh Kumar	Literature survey on design and implementation of border surveillance BOT	International Advanced Research Journal in Science, Engineering and Technology, Vol. 11, No. 12, pp.366- 371, Dec2024. [ISSN: 2394-1588] DOI: 10.17148/IARJSET.2024.1111258 Paper Link: https://iarjset.com/wp- content/uploads/2024/12/IARJSET.2024.1111258.pdf
28	Mr. B R Santhosh Kumar	Wireless notice board using GSM Module	Journal of emerging Technologies and innovative research, Vol. 11, No. 12, pp. e347-e351, Dec 2024. [ISSN: 2394-1588] Paper Link: http://www.jetir.org/papers/JETIR2412439.pdf
29	Mr. B R Santhosh Kumar	Literature survey on Automated barcode-based	International Advanced Research Journal in Science, Engineering and Technology, Vol. 11, No. 12, pp. 311- 314, Dec2024. [ISSN: 2394-1588] DOI: 10.17148/IARJSET.2024.111247

		warehouse sorting system	Paper Link: https://iarjset.com/wp-content/uploads/2024/12/IARJSET.2024.111247.pdf
30	Mr. Santosh Kumar	GPS Tracking with Registered Mobile Number	International Advanced Research Journal in Science, Engineering and Technology, Vol. 11, No. 7, pp. 670-673, July2024. [ISSN: 2394-1588] DOI: 10.17148/IARJSET.2024.117113 Paper Link: https://iarjset.com/wp-content/uploads/2024/08/IARJSET.2024.117113.pdf
31	Mr. Santhosh Kumar B R	Facial Recognition and Obstacle Detection Smart Glasses for Visually Challenged People	International Advanced Research Journal in Science, Engineering and Technology, Vol. 11, No. 12, pp. 227-235, Dec 2024. [ISSN: 2394-1588] DOI: 10.17148/IARJSET.2024.111233 Paper Link: https://iarjset.com/wp-content/uploads/2024/12/IARJSET.2024.111233.pdf
32	Mr. Santhosh Kumar B R	Foot step power generation and mobile charging using RFID	International Advanced Research Journal in Science, Engineering and Technology, Vol. 12, No. 5, pp. 1818 - 1820, May 2025 [ISSN: 2394-1588]. DOI: 10.17148/IARJSET.2025.125313 Paper Link: https://iarjset.com/wp-content/uploads/2025/05/IARJSET.2025.125313.pdf
33	Dr. Devika B	Voice controlled Mobility chair	International Advanced Research Journal in Science, Engineering and Technology, Vol. 11, No. 12, pp.319-327, Dec 2024. [ISSN: 2394-1588] DOI: 10.17148/IARJSET.2024.111249 Paper Link: https://iarjset.com/wp-content/uploads/2024/12/IARJSET.2024.111249.pdf
34	Dr. Devika B	Automated crime Detection and Alert System via Embedded Deep Learning	International Advanced Research Journal in Science, Engineering and Technology, Vol. 11, No. 12, pp. 144-148, Dec 2024. [ISSN: 2394-1588] DOI: 10.17148/IARJSET.2024.111217 Paper Link: https://iarjset.com/wp-content/uploads/2024/12/IARJSET.2024.111217-1.pdf
35	Dr. Devika B	Literature survey on Gesture-Controlled Robot Arm with Mobile Rover Integration	International Advanced Research Journal in Science, Engineering and Technology, Vol. 11, No. 12, pp. 194-198, Dec 2024 [ISSN: 2394-1588] DOI: 10.17148/IARJSET.2024.111226 Paper Link: https://iarjset.com/wp-content/uploads/2024/12/IARJSET.2024.111226.pdf
36	Dr. Devika B	Laser Security System	International Advanced Research Journal in Science, Engineering and Technology, Vol. 11, No. 12, pp. 258-264, Dec 2024. [ISSN: 2394-1588] DOI: 10.17148/IARJSET.2024.111238 Paper Link: https://iarjset.com/wp-content/uploads/2024/12/IARJSET.2024.111238.pdf
37	Dr. Devika B	FFT Audio Spectrum with	International Advanced Research Journal in Science, Engineering and Technology, Vol. 11, No. 7, pp. 479-484, July 2024. [ISSN: 2394-1588]

		Bird Recognition	DOI: 10.17148/IARJSET.2024.11778 Paper Link: https://iarjset.com/wp-content/uploads/2024/07/IARJSET.2024.11778.pdf
38	Dr. Devika B	Smart Water Container	International Advanced Research Journal in Science, Engineering and Technology, Vol. 11, No. 7, pp. 496-498, July 2024. [ISSN: 2394-1588] DOI: 10.17148/IARJSET.2024.11782 Paper Link: https://iarjset.com/wp-content/uploads/2024/07/IARJSET.2024.11782.pdf
39	Dr. Devika B	Smart Surveillance and Combat Robot for Defense Operation	International Advanced Research Journal in Science, Engineering and Technology, ol. 12, No. 5, pp. 2271 - 2273, May 2025 [ISSN: 2394-1588]. DOI: 10.17148/IARJSET.2025.125374 Paper Link: https://iarjset.com/wp-content/uploads/2025/05/IARJSET.2025.125374.pdf
40	Dr. Devika B	Chain accident Prevention by Applying Automatic brake via vehicle-to-vehicle communication	International Advanced Research Journal in Science, Engineering and Technology, Vol. 12, No. 5, pp. 1622-1626, May 2025 [ISSN: 2394-1588]. DOI: 10.17148/IARJSET.2025.125278 Paper Link: https://iarjset.com/wp-content/uploads/2025/05/IARJSET.2025.125278.pdf
41	Dr. Electa Alice Jayarani A	Efficient Bird Species Classification: A Deep Learning Approach	Indian Journal of Natural Sciences, Vol.15, Issue 85, pp. 77282-77290, Aug 2024.[ISSN: 0976 – 0997] Paper link: https://tnsroindia.org.in/JOURNAL/issue85/ISSUE%2085%20-%20AUG%202024%20-%20FULL%20TEXT%20PART%2002.pdf
42	Dr. Electa Alice Jayarani A	Water quality monitoring using IOT and AI	Journal of emerging Technologies and innovative research Vol. 11, No. 12, pp. e778-e784, Dec 2024. [ISSN: 2349-5162] Paper Link: https://www.jetir.org/papers/JETIR2412490.pdf
43	Dr. Electa Alice Jayarani A	Automatic light Control	Journal of emerging Technologies and innovative research, Vol. 11, No. 12, pp. f632-f636, Dec 2024 [ISSN: 2349-5162] Paper Link: https://www.jetir.org/papers/JETIR2412570.pdf
44	Dr. Electa Alice Jayarani A	Literature survey on Integrated Vehicle Tracking with Speed, tilt and Geofencing	International Advanced Research Journal in Science, Engineering and Technology, Vol. 11, No. 12, pp. 328-333, Dec 2024. [ISSN: 2394-1588] DOI: 10.17148/IARJSET.2024.111250 Paper Link: https://iarjset.com/wp-content/uploads/2024/12/IARJSET.2024.111250.pdf
45	Dr. Electa Alice Jayarani A	Literature Review on Smart Ride Helmet	International Advanced Research Journal in Science, Engineering and Technology, Vol. 11, No12, pp. 348-353, Dec 2024. [ISSN: 2394-1588] DOI: 10.17148/IARJSET.2024.111254 Paper Link:

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46	Dr. Electa Alice Jayarani A	Clean Sweep Bot	International Advanced Research Journal in Science, Engineering and Technology, Vol. 11, No. 7, pp. 465-469, July 2024. [ISSN: 2394-1588] DOI: 10.17148/IARJSET.2024.11775 Paper Link : https://iarjset.com/wp-content/uploads/2024/07/IARJSET.2024.11775.pdf
47	Dr. Electa Alice Jayarani A	Bidirectional Visitor Counter	International Advanced Research Journal in Science, Engineering and Technology, Vol. 11, No. 7, pp. 531-535, July 2024. [ISSN: 2394-1588] DOI: 10.17148/IARJSET.2024.11789 Paper Link: https://iarjset.com/wp-content/uploads/2024/07/IARJSET.2024.11789.pdf
48	Dr. Electa Alice Jayarani A	Compressive Sensing Based Compression Algorithm for the Audio Signal	Journal of Information Hiding and Multimedia Signal Processing, Ubiquitous International, Vol. 16, No. 1, pp. 453-465, March 2025. [ISSN: 2073-4212]. Q3 Journal Paper Link: https://bit.kuas.edu.tw/~jihmsp/2025/vol16/N1/10.JIHMS P-241103.pdf Scopus Link: https://www.scopus.com/sourceid/21100223313 SCI Link: https://www.scimagojr.com/journalsearch.php?q=2073-4212
49	Dr. Electa Alice Jayarani A	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] Q2 Journal DOI: https://doi.org/10.18280/ije.070213 Paper Link: https://iieta.org/journals/ije/paper/10.18280/ije.070213 Scopus Link: https://www.scopus.com/sourceid/21101152867 SCI Link: https://www.scimagojr.com/journalsearch.php?q=21101152867&tip=sid&clean=0
50	Dr. Electa Alice Jayarani A	Literature Survey paper on triangle shaped patch antenna	International Advanced Research Journal in Science, Engineering and Technology, Vol. 12, No. 5, pp. 2300-2304, May 2025 [ISSN: 2394-1588]. DOI: 10.17148/IARJSET.2025.125379 Paper Link: https://iarjset.com/wp-content/uploads/2025/05/IARJSET.2025.125379.pdf
51	Dr. Electa Alice Jayarani A	Literature Review on Rectangle Shaped Microstrip Patch Antenna Performance Analysis Using	Journal of emerging Technologies and innovative research, Vol. 12, No. 5, pp. g443-g448, May 2025 [ISSN: 2349-5162]. Paper Link: www.jetir.org/papers/JETIR2505742.pdf

		CST Studio Tool	
52	Mrs. Ramya K. R	Water cleaning RC boat	International Advanced Research Journal in Science, Engineering and Technology, Vol. 11, No. 12, pp.189-193, Dec 2024. [ISSN: 2394-1588] DOI: 10.17148/IARJSET.2024.111225 Paper Link: https://iarjset.com/wp-content/uploads/2024/12/IARJSET.2024.111225.pdf
53	Mrs. Ramya K. R	Electronic Voting Machine Using Fingerprint	International Advanced Research Journal in Science, Engineering and Technology, Vol. 11, No. 7, pp. 515-520, July 2024. [ISSN: 2394-1588] DOI: 10.17148/IARJSET.2024.11786 Paper Link: https://iarjset.com/wp-content/uploads/2024/07/IARJSET.2024.11786.pdf
54	Mrs. Ramya K. R	Smart cart Robot	International Advanced Research Journal in Science, Engineering and Technology, Vol. 11, No. 7, pp. 634-638, July 2024. [ISSN: 2394-1588] DOI: 10.17148/IARJSET.2024.117107 Paper Link: https://iarjset.com/wp-content/uploads/2024/07/IARJSET.2024.117107.pdf
55	Mrs. Ramya K. R	Automation Rain sensing Car Wiper	International Advanced Research Journal in Science, Engineering and Technology, Vol. 11, No. 12, pp. 283-288, Dec 2024. [ISSN: 2394-1588] DOI: 10.17148/IARJSET.2024.111242 Paper Link: https://iarjset.com/wp-content/uploads/2024/12/IARJSET.2024.111242.pdf
56	Mrs. Ramya K. R	AI- Based Differentiation of Fertilized and Organic Fruits	International Advanced Research Journal in Science, Engineering and Technology, Vol. 12, No. 5, pp. 1363 - 1366, May 2025 [ISSN: 2394-1588]. DOI: 10.17148/IARJSET.2025.125392 Paper Link : https://iarjset.com/wp-content/uploads/2025/06/IARJSET.2025.125392.pdf
57	Mrs. Ramya K. R	Bipedal Humanoid Robotic LEG	Journal of emerging Technologies and innovative research, Vol. 12, No. 5, pp. h869-h872, May 2025 [ISSN: 2349-5162]. Paper Link: http://www.jetir.org/papers/JETIR2505890.pdf
58	Dr. Bharathi Gururaj	Neuro-Driven speech synthesis for paralysis	International Advanced Research Journal in Science, Engineering and Technology, Vol. 11, No. 12, pp. 154-159, Dec 2024. [ISSN: 2394-1588] DOI: 10.17148/IARJSET.2024.111219 Paper Link: https://iarjset.com/wp-content/uploads/2024/12/IARJSET.2024.111219.pdf
59	Dr. Bharathi Gururaj	Advanced water quality monitoring system for environment conservation	International Advanced Research Journal in Science, Engineering and Technology, Vol. 11, No. 12, pp.107-112, Dec 2024. [ISSN: 2394-1588] DOI: 10.17148/IARJSET.2024.111211 Paper Link: https://iarjset.com/wp-content/uploads/2024/12/IARJSET.2024.111211.pdf :

60	Dr. Bharathi Gururaj	4IN 1Multipurpose Robot	Journal of emerging Technologies and innovative research, Vol. 11, No. 12, pp. e326-e334, Dec 2024. [ISSN: 2349-5162] Paper Link: https://www.jetir.org/papers/JETIR2412436.pdf
61	Dr. Bharathi Gururaj	LPG Gas Detector with Auto cut off using Arduino	International Advanced Research Journal in Science, Engineering and Technology, Vol. 11, No. 12, pp. 236-242, Dec 2024. [ISSN: 2394-1588] DOI: 10.17148/IARJSET.2024.111234 Paper Link: https://iarjset.com/wp-content/uploads/2024/12/IARJSET.2024.111234.pdf
62	Dr. Bharathi Gururaj	CMOS Comparator Design using 90nm Technology	Engineering World Vol.6 pp.291-297, Dec. 2024 [ISSN: 2692-5079] DOI:10.37394/232025.2024.6.31 Paper Link: https://www.researchgate.net/publication/387218401_CMOS_Comparator_Design_using_90nm_Technology
63	Dr. Bharathi Gururaj	Floating Point Unit with High Precision Efficiency	International Journal of Soft Computing and Engineering, (IJSCE) Vol.15 No.2, pp. 25-30 May 2025 [ISSN: 2231-2307] DOI: https://doi.org/10.35940/ijscce.B3669.15020525 Paper Link: https://www.ijscce.org/wp-content/uploads/papers/v15i2/B366915020525.pdf
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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	Mrs. Sangeetha V Dr. P N Sudha	Performance Evaluation of Viterbi Encoder with Frequency Hopping Spread Spectrum in Rayleigh Fading	International Conference on Recent Innovations in Engineering Science and Technology (ICRIET-2025)9 th - 10 th May 2025, K.S. Institute of Technology, Bengaluru
2	Dr. Rekha N Dr. Devika B	A Review of AI Prompt Management Tools and a Proposed Git-Based Solution	International Conference on Recent Innovations in Engineering Science and Technology (ICRIET-2025)9 th - 10 th May 2025, K.S. Institute of Technology, Bengaluru
3	Dr. Dinesh Kumar D S	Vehicle Detection using Saliency Model Generation and SVM	International Conference on Recent Innovations in Engineering Science and Technology (ICRIET-2025)9 th - 10 th May 2025, K.S. Institute of Technology, Bengaluru
4	Dr. Dinesh Kumar D S	Design and Implementation of a Wireless Mobile Computing Platform for Fall Detection	International Conference on Next-Gen Semiconductor Device and Smart Computing Applications, [ICNGSDSCA-24], 20 th -21 th December 2024, Cambridge Institute of Technology, Bengaluru
5	Dr. Electa Alice Jayarani A, Mrs. Sangeetha V, Mrs. Bhargavi Ananth	Fibonacci Based Security Algorithm for ECG Signal	5 th International Conference on Computer Vision and Robotics (CVR 2025),25 th -26 th April 2025, National Institute of Technology, Goa.
6	Dr. Electa Alice Jayarani A	Assessing Social Media's Impact on Mental Health: A Gaussian Naïve Bayes Approach	4th International Conference on Technological Advancements in Computational Sciences (ICTACS) Tashkent, Uzbekistan, 2024, pp. 791-797. IEEE Xplore DOI: https://doi.org/10.1109/ICTACS62700.2024.10840779 Paper Link: https://ieeexplore.ieee.org/document/10840779

7	Dr. P.N Sudha	Amphibious Hovercraft	International Conference on Recent Innovations in Engineering Science & Technology (ICRIET-2025), KSIT, 9 th – 10 th may 2025, ISBN:978-81-929425-7-5
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