



K.S. INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
LIST OF RESEARCH PUBLICATIONS
ACADEMIC YEAR 2022-23

Details of research publications https://drive.google.com/drive/folders/1ecIOS-ynhuXQ-aMtMZZyiJ3heywupC0Z?usp=sharing			
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. Surekha Borra , Mr. Sunil Kumar G.R	Real-Time Piracy Detection Based on Thermogram Analysis and Machine Learning Techniques	Computational Intelligence in Communications and Business Analytics, Communications in Computer and Information Science book series, Vol.1579, pp. 336-350, 2022. [ISBN978-3-031-10766-5] Link: https://doi.org/10.1007/978-3-031-10766-5_27 Journal Link: https://www.springer.com/series/7899 UGC Care List: Group-II Scopus Link: https://www.scopus.com/sourceid/17700155007 SCI Link: https://www.scimagojr.com/journalsearch.php?q=17700155007&tip=sid&clean=0
2.	Dr. P N Sudha Dr. Devika B	Chronological –Squirrel Earth Worm Optimization for Power Minimization using Topology Management in MANET	Distributed Computing and Optimization Techniques, Lecture Notes in Electrical Engineering ,Vol. 903, pp.219-229,2022.[ISBN:978-981-19-2281-7] DOI: https://doi.org/10.1007/978-981-19-2281-7_21 Link: https://link.springer.com/chapter/10.1007/978-981-19-2281-7_21 Scopus Link: https://www.scopus.com/sourceid/19700186822
3	Dr. Surekha Borra , Mr. Sunil Kumar G.R	In-Theatre Real Time Piracy Detection and Discouraging System	Design Studies and Intelligence Engineering , Proceedings of DSIE 2022, Frontiers in Artificial Intelligence and Applications Series, Vol. 365, pp.220-229,2023. [ISBN:978-1-64368-372-0] DOI: 10.3233/FAIA220716, https://ebooks.iospress.nl/volumearticle/62652 link: https://ebooks.iospress.nl/volumearticle/62652 Paper link: https://ebooks.iospress.nl/volume/design-studies-and-intelligence-engineering-proceedings-of-dsie-2022 Book series Link: https://ebooks.iospress.nl/volumearticle/62652 https://www.scopus.com/sourceid/19500157321 https://www.scimagojr.com/journalsearch.php?q=19500157321&tip=sid&clean=0 Scopus Link: https://www.scopus.com/sourceid/19500157321
4	Dr. Surekha Borra	Detection and Classification of Leukocytes in Blood Smear Images: State of the Art and Challenges	Research Anthology on Improving Medical Imaging Techniques for Analysis and Intervention, Chapter 57, pp. 1099-1130, 2023, [EISBN:13: 9781668475454] DOI: https://doi.org/10.4018/978-1-6684-7544-7.ch057 Link: https://www.igi-global.com/gateway/chapter/315094
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	Fruit Categorizer Using PH Sensor	International Advanced Research Journal in Science, Engineering and Technology, Vol. 10, No. 4, pp.155-159, 2023.

			[ISSN: 2393-8021] DOI: 10.17148/IARJSET.2023.10423 Paper Link: https://iarjset.com/wp-content/uploads/2023/04/IARJSET.2023.10423.pdf
2	Dr. P N Sudha	IOT Based School Bus Monitoring System	International Journal for Research in Applied Science and Engineering and Technology, Vol. 11, No. 5, pp.no.394-400, 2023[ISSN: 2321-9653]. DOI: http://doi.org/10.22214/ijraset.2023.51035 Paper Link: https://www.ijraset.com/best-journal/iot-based-school-bus-monitoring-system
3	Dr. P N Sudha	Wireless notice using Bluetooth module H C-05	International Advanced Research Journal in Science, Engineering and Technology, Vol. 10, No. 6, pp. 578-581, June 2023 [ISSN :2393-8021] DOI: 10.17148/IARJSET.2023.10696 Paper Link: https://iarjset.com/wp-content/uploads/2023/07/IARJSET.2023.10696.pdf
4	Dr. P N Sudha	Colour sorting Robotic ARM	International Advanced Research Journal in Science, Engineering and Technology, Vol. 10, No. 6, pp. 566-570, June 2023. [ISSN:2393-8021] DOI: 10.17148/IARJSET.2023.10694 Paper Link: https://iarjset.com/wp-content/uploads/2023/06/IARJSET.2023.10694.pdf
5	Dr. Surekha Borra	Challenges of Deep Learning in Medical Image Analysis—Improving Explainability and Trust	IEEE Transactions on Technology and Society, vol. 4, no. 1, pp. 68-75, March 2023. DOI: 10.1109/TTS.2023.3234203 Link: https://ieeexplore.ieee.org/document/10005626 Journal Link: https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=8566059
6	Dr. Surekha Borra	CLAHE Enhanced Hybrid Feature Descriptors for Classification of Acute Lymphoblastic Leukemia in Blood Smear Images	International Journal of Biomedical Engineering and Technology, Jan 2023[ISSN:1752-6426]. Accepted In Press. DOI:10.1504/IJBET.2023.10054302 Scopus Link: https://www.scopus.com/sourceid/19700186853 Paper link: https://www.researchgate.net/scientific-contributions/Renuka-Veerappa-Tali-2192417165
7	Dr. Surekha Borra	Tracking of Mobile Phones for Piracy Detection	International Advanced Research Journal in Science, Engineering and Technology, Vol.10, No.5, pp.196-202, 2023[ISSN:2393:8021] DOI: 10.17148/IARJSET.2023.10523 Paper Link: https://iarjset.com/wp-content/uploads/2023/05/IARJSET.2023.10523.pdf
8	Dr. B Sudarshan	Tamper Proof Ration Disbursement System for Rural Areas	International Advanced Research Journal in Science, Engineering and Technology, Vol. 10, No. 4, pp. 268-280, 2023. [ISSN : 2393-8021] DOI: 10.17148/IARJSET.2023.10441 Paper Link: https://iarjset.com/wp-content/uploads/2023/05/IARJSET.2023.10441.pdf
9	Dr. B Sudarshan	Automated and Movable Waste Segregator	International Advanced Research Journal in Science, Engineering and Technology, Vol. 10, No. 4, pp. 377-383, 2023. [ISSN : 2393-8021] DOI: 10.17148/IARJSET.2023.10453 Paper Link: https://iarjset.com/wp-content/uploads/2023/05/IARJSET.2023.10453.pdf
10	Dr. B Sudarshan	Smart Gloves for Individuals with Speech Impairment	International Advanced Research Journal in Science, Engineering and Technology, Vol. 10, Issue 6, pp. 468-472, June 2023 [ISSN : 2393-8021] DOI: 10.17148/IARJSET.2023.10675 Paper Link: https://iarjset.com/wp-content/uploads/2023/06/IARJSET.2023.10675.pdf
11	Dr. Chanda V Reddy	Literature Survey on Women Safety Device	International Advanced Research Journal in Science, Engineering and Technology, Vol. 10, No. 1, pp.7-15, 2023.[ISSN: 2393-8021] DOI: 10.17148/IARJSET.2022.9101 Paper Link: https://iarjset.com/wp-content/uploads/2023/01/IARJSET.2023.10102.pdf
12	Dr. Chanda V Reddy	Guardian Gadget -Human Safety Device	International Advanced Research Journal in Science, Engineering and Technology, Vol. 10, No. 5, pp. 146-154, 2023.[ISSN 2393-8021]

			DOI: 10.17148/IARJSET.2023.10517 Paper Link: https://iarjset.com/wp-content/uploads/2023/05/IARJSET.2023.10517.pdf
13	Dr. Chanda V Reddy	Wireless Notice Board using Bluetooth HC-05 and Arduino UNO-R3	International Advanced Research Journal in Science, Engineering and Technology, Vol. 10, No. 6, pp. 505-511, June 2023 [ISSN : 2393-8021] DOI: 10.17148/IARJSET.2023.10683 Paper Link: https://iarjset.com/wp-content/uploads/2023/06/IARJSET.2023.10683.pdf
14	Dr. Chanda V Reddy	Line Follower Robot with Obstacle Avoiding	International Advanced Research Journal in Science, Engineering and Technology, Vol. 10, No. 6, pp. 441-444, June 2023 [ISSN : 2393-8021] DOI: 10.17148/IARJSET.2023.10670 Paper Link: https://iarjset.com/wp-content/uploads/2023/06/IARJSET.2023.10670.pdf
15	Dr. Rekha N	Hybrid Power Grid Based on IOT	International Advanced Research Journal in Science, Engineering and Technology, Vol. 9, No. 12, pp. 101-106, 2022. [ISSN : 2393-8021] DOI: 10.17148/IARJSET.2022.91220 Paper Link: https://iarjset.com/wp-content/uploads/2022/12/IARJSET.2022.91220.pdf
16	Dr. Rekha N	Literature Paper on Virtual Pen	International Advanced Research Journal in Science, Engineering and Technology, Vol. 9, No. 12, pp. 68-73, 2022 [ISSN: 2393-8021] DOI: 10.17148/IARJSET.2022.91213 Paper Link: https://iarjset.com/wp-content/uploads/2022/12/IARJSET.2022.91213.pdf
17	Dr. Rekha N	Power Grid Based on IOT	International Advanced Research Journal in Science, Engineering and Technology, Vol. 10, No. 4, pp. 291-296, 2023. [ISSN : 2393-8021] DOI: 10.17148/IARJSET.2023.10443 Paper Link: https://iarjset.com/wp-content/uploads/2023/05/IARJSET.2023.10443.pdf
18	Dr. Rekha N	Virtual Pen	International Advanced Research Journal in Science, Engineering and Technology, Vol. 10, No. 4, pp. 202-209, 2023. [ISSN 2393-8021] DOI: 10.17148/IARJSET.2023.10432 Paper Link: https://iarjset.com/wp-content/uploads/2023/05/IARJSET.2023.10432.pdf
19	Dr. Rekha N	Water and Air Pollution Monitoring System	International Advanced Research Journal in Science, Engineering and Technology, Vol. 10, No. 6, pp. 512-517, June 2023. [ISSN: 2393-8021] DOI: 10.17148/IARJSET.2023.10684 Paper Link: https://iarjset.com/wp-content/uploads/2023/06/IARJSET.2023.10684.pdf
20	Dr. Rekha N	Surveillance Robot using ESP 32 CAM Module	International Advanced Research Journal in Science, Engineering and Technology, Vol. 10, Issue 6, pp. 402-406, June 2023. [ISSN: 2393-8021] DOI: 10.17148/IARJSET.2023.10662 Paper Link: https://iarjset.com/wp-content/uploads/2023/06/IARJSET.2023.10662.pdf
21	Dr. Dinesh Kumar D S	Literature review on Smart Restaurant Using E-Menu and Waiter Robot	International Advanced Research Journal in Science, Engineering and Technology, Vol. 9, No. 12, pp. 63-67, 2022. [ISSN: 2393-8021] DOI: 10.17148/IARJSET.2022.91212 Paper Link: https://iarjset.com/wp-content/uploads/2022/12/IARJSET.2022.91212.pdf
22	Dr. Dinesh Kumar D. S	Smart Restaurant using E-Menu and Waiter Robot	International Journal of Creative Research Thoughts, Vol. 11, No. 5, pp. 496-501, 2023 [ISSN: 2320-2882]. Paper Link: https://www.ijcrt.org/papers/IJCRT2305188.pdf
23	Dr. Dinesh Kumar D. S	Navigation System and Speech Assistive Device for Visually Impaired People	International Advanced Research Journal in Science, Engineering and Technology, Vol. 10, No. 6, pp. 501-504, June 2023 [ISSN: 2393-8021] DOI: 10.17148/IARJSET.2023.10682 Paper Link: https://iarjset.com/wp-content/uploads/2023/06/IARJSET.2023.10682.pdf
24	Dr. Devika B	Literature Survey on Health Monitoring System	International Advanced Research Journal of Engineering and Technology, Vol. 2, No. 12, pp. 1-11, 2022. [ISSN: 2583-0813] Paper Link: https://www.iarjet.com/common_src/article_file/1672768702_3e9bc8021d_22_iarjet.pdf
25	Dr. Devika B	Health Monitoring System	International Advanced Research Journal of Engineering and Technology, Vol. 10, No. 5, pp. 125-130, 2023. [ISSN : 2393-8021] DOI: 10.17148/IARJSET.2023.10515

			Paper Link: https://iarjset.com/wp-content/uploads/2023/05/IARJSET.2023.10515.pdf
26	Dr.Devika B	Forest Monitoring System	International Advanced Research Journal in Science, Engineering and Technology, Vol. 10, No. 4, pp. 334-339, 2023.[ISSN: 2393-8021]. DOI: 10.17148/ARJSET.2023.10447 Paper Link: https://iarjset.com/wp-content/uploads/2023/05/IARJSET.2023.10447.pdf
27	Dr.Devika B	Automatic Water Dispenser Using IR Sensor	International Advanced Research Journal in Science, Engineering and Technology, Vol. 10,No. 6,pp. 489-493,June 2023[ISSN:2393-8021] DOI: 10.17148/IARJSET.2023.10679 Paper Link : https://iarjset.com/wp-content/uploads/2023/06/IARJSET.2023.10679.pdf
28	Dr.Devika B	Smart Car Parking System	International Advanced Research Journal in Science, Engineering and Technology, Vol. 10, No. 6, pp. 518-522, June 2023. [ISSN: 2393-8021]. DOI: 10.17148/IARJSET.2023.10685 Paper Link: https://iarjset.com/wp-content/uploads/2023/06/IARJSET.2023.10685.pdf
29	Mrs.Ramya K.R	Fire Fighting Robot	International Advanced Research Journal in Science, Engineering and Technology, Vol. 9, No. 12,pp. 112-115,2022.[ISSN :2393-8021] DOI: 10.17148/IARJSET.2022.91223 Paper Link: https://iarjset.com/wp-content/uploads/2022/12/IARJSET.2022.91223.pdf
30	Mrs.Ramya K.R	Fire Fighting Robot	International Advanced Research Journal in Science, Engineering and Technology, Vol. 10, No. 4,pp. 345-349,2023.[ISSN 2393-8021] DOI: 10.17148/IARJSET.2023.10449 Paper Link: https://iarjset.com/wp-content/uploads/2023/05/IARJSET.2023.10449.pdf
31	Mrs.Ramya K.R	Distance Based Collision Avoidance with Automatic Acceleration and stopping in Automobiles	International Advanced Research Journal in Science, Engineering and Technology, Vol. 10,No. 6,pp. 407-410,June 2023[ISSN : 2393-8021] DOI: 10.17148/IARJSET.2023.10663 Paper Link: https://iarjset.com/wp-content/uploads/2023/06/IARJSET.2023.10663.pdf
32	Mr.Santhosh Kumar B.R	Survey on Anti Corruption Traffic Management System	International Advanced Research Journal in Science, Engineering and Technology, Vol. 10, No. 4, pp.251-262, 2023. [ISSN: 2393-8021] DOI: 10.17148/IARJSET.2023.10439 Paper Link: https://iarjset.com/wp-content/uploads/2023/05/IARJSET.2023.10439.pdf
33	Mr.Santhosh Kumar B.R	Bluetooth Robot Control using Smartphone	International Advanced Research Journal in Science, Engineering and Technology, Vol. 10,No. 6,pp. 394-397,June 2023[ISSN : 2393-8021] DOI: 10.17148/IARJSET.2023.10660 Paper Link: https://iarjset.com/wp-content/uploads/2023/06/IARJSET.2023.10660.pdf
34	Mr.Santhosh Kumar B.R	Home Automation for Disabled using Voice Tag	International Advanced Research Journal in Science, Engineering and Technology, Vol. 10,No. 6,pp. 562-565,June 2023[ISSN :2393-8021] DOI: 10.17148/IARJSET.2023.10693 Paper Link https://iarjset.com/wp-content/uploads/2023/06/IARJSET.2023.10693.pdf :
35	Mrs.V Sangeetha	Survey on Robotic Nurse	International Research Journal of Modernization in Engineering Technology and Science, Vol. 04, No. 12,pp.1422-1427,2022. [ISSN: 2582-5208] Paper Link: https://www.irjmets.com/uploadedfiles/paper/issue_12_december_2022/32482/final/fin_irjmets1672108851.pdf
36	Mrs.V Sangeetha	A Literature Survey of Robot with Different Applications	International Advanced Research Journal in Science, Engineering and Technology, Vol. 10, No. 1, pp. 53-55, 2023. [ISSN: 2393-8021] DOI: 10.17148/IARJSET.2023.10109 Paper Link: https://iarjset.com/wp-content/uploads/2023/01/IARJSET.2023.10109.pdf
37	Mrs. V Sangeetha	Robotic Nurse	International Journal for Scientific Research & Development, Vol. 11, No. 3, pp.1-5, 2023. [ISSN: 2321-0613]. DOI: Paper Link: https://www.ijstrd.com/articles/IJSRDV11I30033.pdf
38	Mrs.V Sangeetha	Voice Controlled Personal Assistant Robot	International Advanced Research Journal in Science, Engineering and Technology,

			Vol. 10, No. 4, pp. 243-250, 2023 [ISSN: 2393-8021] DOI: 10.17148/IARJSET.2023.10438 Paper Link: https://iarjset.com/wp-content/uploads/2023/05/IARJSET.2023.10438.pdf
39	Dr. Pooja S	Automatic Wall Painting Robot	International Advanced Research Journal in Science, Engineering and Technology, Vol. 10, No. 4, pp. 297-301, 2023. [ISSN: 2393-8021] DOI: 10.17148/IARJSET.2023.10444 Paper Link: https://iarjset.com/wp-content/uploads/2023/05/IARJSET.2023.10444.pdf
40	Dr. Pooja S	Anti-Smuggling Alarm System for Trees in Forest	International Advanced Research Journal in Science, Engineering and Technology, Vol. 10, Issue 6, pp. 354-358, June 2023 [ISSN: 2393-8021] DOI: 10.17148/IARJSET.2023.10652 Paper Link: https://iarjset.com/wp-content/uploads/2023/06/IARJSET.2023.10652.pdf
41	Mr. Saleem S Tevaramani	Passport Verification Using RFID and IOT	International Advanced Research Journal in Science, Engineering and Technology, Vol. 9, No. 12, pp. 85-90, 2022. [ISSN:2393-8021] DOI: 10.17148/IARJSET.2022.91217 Paper Link: https://iarjset.com/wp-content/uploads/2022/12/IARJSET.2022.91217.pdf
42	Mr. Saleem S Tevaramani	Alpha Blending Image Steganography using Discrete Wavelet Transform and Singular Value Decomposition	Journal of Northeastern University, Vol.25, No.4, pp.3275-3286, 2022. [ISSN: 1005-3026]. Paper Link: http://dbdxxb.cn/wp-content/uploads/2022/12/Saleem-S-Tevaramani.pdf Scopus Link: https://www.scopus.com/sourceid/16040 SCI Link: https://www.scimagojr.com/journalsearch.php?q=16040&tip=sid&clean=0
43	Mr. Saleem S Tevaramani	Image Steganography using Fast Discrete Curvelet Transformation for Secure Communication	Journal of Data Acquisition and Processing, Vol.38, pp.1580-1587, 2023 [ISSN:1004-9037]. DOI: 10.5281/zenodo.9854912 Paper Link: https://sjcjycl.cn/article/view-2023/pdf/03_1580.pdf Scopus Link: https://www.scopus.com/sourceid/20765 SCI Link: https://www.scimagojr.com/journalsearch.php?q=20765&tip=sid&clean=0
44	Mrs. Vishalini Divakar	Petrol Bunk Automation and Security using RFID	International Advanced Research Journal in Science, Engineering and Technology, Vol. 10, No. 5, pp. 461-470, 2023. [ISSN : 2393-8021] DOI: 10.17148/IARJSET.2023.10461 Paper Link: : https://iarjset.com/wp-content/uploads/2023/05/IARJSET.2023.10461.pdf
45	Mrs. Vishalini Divakar	OTP Based Smart Wireless locking System using Arduino	International Advanced Research Journal in Science, Engineering and Technology, Vol. 10, Issue 6, pp. 551-555, June 2023 [ISSN :2393-8021] DOI: 10.17148/IARJSET.2023.10691 Paper Link: https://iarjset.com/wp-content/uploads/2023/06/IARJSET.2023.10691.pdf
46	Mrs. Bhargavi Ananth	Sun Tracking Solar panel	International Advanced Research Journal in Science, Engineering and Technology, Vol. 10, Issue 6, pp. 533-539, June 2023 [ISSN: 2393-8021] DOI: 10.17148/IARJSET.2023.10688 Paper Link: https://iarjset.com/wp-content/uploads/2023/06/IARJSET.2023.10688.pdf
47	Mrs. Bhargavi Ananth	Non-Invasive Thyroid Detection	International Advanced Research Journal in Science, Engineering and Technology, Vol. 10, No. 5, pp.210-215, 2023. [ISSN: 2394-1588] DOI: 10.17148/IARJSET.2023.9101 Paper Link: https://iarjset.com/wp-content/uploads/2023/05/IARJSET.2023.10525.pdf
48	Mr. Praveen A	Density Based on Traffic Signal Control and Management	International Advanced Research Journal in Science, Engineering and Technology, Vol. 10, Issue 6, pp. 398-401, June 2023 [ISSN: 2393-8021] DOI: 10.17148/IARJSET.2023.10661 Paper Link: https://iarjset.com/wp-content/uploads/2023/06/IARJSET.2023.10661.pdf

49	Mr. S Christo Jain	Arduino Based Fire fighting Robot	International Advanced Research Journal in Science, Engineering and Technology, Vol. 10, Issue 6, pp. 382-385, June 2023 [ISSN: 2393-8021] DOI: 10.17148/IARJSET.2023.10658 Paper Link: https://iarjset.com/wp-content/uploads/2023/06/IARJSET.2023.10658.pdf
50	Mrs. Shruthi V Joshi	Automatic Obstacle Detecting Robot	International Advanced Research Journal in Science, Engineering and Technology, Vol. 10, No. 6, pp. 417-420, June 2023 [ISSN :2393-8021] DOI: 10.17148/IARJSET.2023.10665 Paper Link: https://iarjset.com/wp-content/uploads/2023/06/IARJSET.2023.10665.pdf
51	Mrs. Bhanumathi A	RC522 and EM-18 Based Attendance Management System	International Advanced Research Journal in Science, Engineering and Technology, Vol. 10, No. 6, pp. 540-544, June 2023 [ISSN :2393-8021] DOI: 10.17148/IARJSET.2023.10689 Paper Link : https://iarjset.com/wp-content/uploads/2023/06/IARJSET.2023.10689.pdf
52	Mrs. Kavya S.M	Automatic Hand Sanitizer	International Advanced Research Journal in Science, Engineering and Technology, Vol. 10, No. 6, pp. 572-577, June 2023. [ISSN: 2393-8021] DOI: 10.17148/IARJSET.2023.10695 Paper Link: https://iarjset.com/wp-content/uploads/2023/06/IARJSET.2023.10695.pdf
53	Mrs. Anitha P	Voice Controlled Car using Arduino	International Advanced Research Journal in Science, Engineering and Technology, Vol. 10, No. 6, pp. 481-485, June 2023 [ISSN :2393-8021] DOI: 10.17148/IARJSET.2023.10677 Paper Link: https://iarjset.com/wp-content/uploads/2023/06/IARJSET.2023.10677.pdf
54	Mr. Suma Santhosh	Electric Power Generation using Piezoelectric Transducer	International Advanced Research Journal in Science, Engineering and Technology, Vol. 10, No. 6, pp. 455-458, June 2023 [ISSN: 2393-8021] DOI: 10.17148/IARJSET.2023.10672 Paper Link: https://iarjset.com/wp-content/uploads/2023/06/IARJSET.2023.10672.pdf