

## **Publications:**

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Scopus: <https://www.scopus.com/authid/detail.uri?authorId=57560967300>

Google Scholar: <https://scholar.google.co.in/citations?user=6bmBbvsAAAAJ&hl>

1. Swathi.Y, Manoj Challa, "YOLOv8: Advancements and Innovations in Object Detection", 2024 Eighth International Conference on Smart Trends in Computing and Communications (Smartcom 2024).
2. Swathi.Y, Ashwini R Doke, AKNS Madhurima, Aishwarya R Pai, Sanjana, "Detection of Fake Products using Blockchain", 2nd International Conference on Intelligent Data Communication Technologies and Internet of Things, Dec 2023.
3. Swathi.Y, Challa Manoj, "From Deployment to Drift: A Comprehensive Approach to ML Model Monitoring with Evidently AI", International Conference on VLSI, Signal Processing, Power Electronics, IoT, Communication, and Embedded Systems (VSPICE-2023) being held on 19<sup>th</sup> and 20<sup>th</sup> December 2023 at N. M. A. M. Institute of Technology, Nitte, India.
4. Swathi.Y, Challa Manoj, "A Comparative Analysis of Explainable AI Techniques for Enhanced Model Interpretability", 3rd International Conference on Pervasive Computing and Social Networking (ISPCSN 2023), 2023.
5. Swathi.Y, "Sentiment Analysis of Employee Feedback Data", 14th International Conference on Computing Communication and Networking Technologies (ICCCNT), 2023.
6. Swathi.Y, Challa Manoj, Mahesh Kumar Jha, "Recent Trends in Solving the 8-Puzzle Problem", IEEE International Conference on "Advances in Electronics, Communication, Computing and Intelligent Information Systems (ICAECIS-23)", 19th to 21st April 2023.
7. Swathi.Y, Pramod Hegde, Sravani P, Pragati Hegde, "Detection of Phishing Websites Using Machine Learning", Gisscience Journal, V10i1.23.40635, 2023 - Q4.
8. "Student Engagement Prediction in an E-Learning Platform", Swathi, Y., Harshitha, L., Harshitha, N., Brinda, 4th International Conference on Inventive Research in Computing Applications, ICIRCA 2022 - Proceedings, 2022, pp. 1452–1456.
9. Swathi.Y, Dr.Manimozhi, "Automation Framework for Post Development Medical Device Application (QT/QML)", Jundishapur Journal of Microbiology, VOL. 15 NO. 1 (2022) - Q4.
10. Swathi.Y, "A Framework and Survey of Digital Learning Tools for Online Teaching", Smart Innovation, Systems and Technologies, 2022, 248, pp. 265-277, 0.17,Q4.
11. Swathi.Y, Ashwini R.Doke, Priyadarshini, Shahina Parveen, "Survey On Podcasting to improve teaching learning process", Proceedings in Springer LNNS, Scopus Indexed, 2022.
12. Swathi.Y, Sanjay Chitnis, "EAPSO\_GSA: Energy-Aware Routing using Hybrid PSO and Gravitational Search Algorithm in Wireless Sensor Networks", International Journal of Advanced Science and Technology, h-index-4, Vol.29 No. 10s, May 20.
13. Swathi.Y, Sanjay Chitnis, "Game theory trust model with authentication and AES encryption (Gta-AES) model for secure data aggregation in wsn", International Journal of Advanced Science and Technology, h-index-4, Vol.29 No. 10s, April 20.
14. Swathi.Y, Shanthi M.B, Swati Kumari, Priya Batni, "Security Enabled Smart Home using the Internet of things" 4th International Conference on Inventive Computation Technologies(ICICT 2019), 29th August 2019, published in Inventive Computation technologies by Springer Lecture Notes on Networks and Systems(LNNS).
15. Swathi.Y, Sanjay Jain, "Best practices in Higher Educational Institutions: Subjective Evaluation of POs and Bloom's Taxonomy", ACM Fourth International Conference on Information and Communication Technology for Competitive Strategies (ICTCS-2019), December 13-14, 2019, Udaipur, India. Published in CRC Press, Taylor and Francis Series.

16. Swathi.Y, Sanjay Chitnis, "Energy-Aware Fuzzy Logic Secure Data Aggregation (EA-FSDA) technique for Wireless Sensor Networks", International Journal of Engineering and Advanced Technology (IJEAT)', Volume-8 Issue-6, August 2019.
17. Swathi.Y, Sanjay Chitnis, "A comprehensive survey on QoS routing and game theory in WSN", IEEE International Conference on Intelligent Computing and Sustainable System (ICICSS 2018), 20, 21 September 2018.
18. Supriya, C., Swathi, Y, "Web Oriented FIM for large scale dataset using Hadoop", IEEE International Conference on Smart Technologies for Smart Nation(Smart Tech Con), Reva University,17-19 August 2017. Indexed in IEEE Xplore in June 2018.
19. Choudhury, A., Krishnan, R., Gupta, A., Swathi, Y., Supriya, C, "Remote Patient Care Monitoring System for Rural Health Care", IEEE International Conference on Energy, Communication, Data Analytics & Soft Computing(ICECDS)-2017, SKR Engineering College, Tamilnadu during 1st-2nd August 2017. Indexed in IEEE Xplore on 21st June 2018.

#### **Patents:**

1. Podcast Transcription and Translation System, 202341029429, Published, 2023.
2. IoT-enabled Smart Cap for Real-time Water Safety and Activity Monitoring in Pools, 202341042193, Published, 2023.
3. Real-Time Object Detection System using YOLO Algorithm, 202341037529, Published, 2023.
4. A Portable Assistive Vehicle Parking Device, 202341028617, Published, 2023.
5. Waste Management System, 202341002229, Published, 2023.
6. Intelligent Safety chip, 202341010701 A, Published, 2023.
7. Smart Assistive Device for the Blind, 202241076884, Filed, 2022.
8. System and Method to embed a natural perfume dispenser in Analog Watch, 202041039573, Published, 2022.
9. A Smart Pen for Color detection and Usage, 202241036429, Filed, 2022.
10. System and Method for Secure Wireless Networks using Game Theory and AES for Authentication, 202041055295, Published, 2021.