



Publication

Academic Year 2024-25			
Sl. No.	Title of the Paper	Authors	Reference
1	Novel Design Templates for OTT Platform Thumbnails to Engage the Viewers	K.R. Supritha and G.S. Mamatha	Lecture Notes in Networks and Systems, vol 947. Springer, Singapore DOI: 10.1007/978-981-97-1326-4_33
2	Bio-Intelligent Computing and Optimization Techniques for Developing Computerized Solutions	G.S. Mamatha, Haripriya V. Joshi, R. Amith	https://doi.org/10.1016/bs.adcom.2023.11.006
3	Bi-Critical Reinforcement Learning Framework for Bit Rate Reduction and Quality Improvisation	Sandeep G.S., G.S. Mamatha	8th International Conference on Computational Systems and Information Technology for Sustainable Solutions (CSITSS), November 2024 10.1109/CSITSS64042.2024.10816841.
4	Optimizing SaaS Metrics with Advanced Data Processing and Machine Learning Techniques	G.S. Mamatha, Relia Maharshi Chetan	8th International Conference on Computational Systems and Information Technology for Sustainable Solutions (CSITSS), November 2025 10.1109/CSITSS64042.2024.10816841.
5	Public Key Security for Quantum Key Distribution	G.S. Mamatha, A.S. Aneesh and G. Chaithanya	8th International Conference on Computational Systems and Information Technology for Sustainable Solutions (CSITSS), November 2026 10.1109/CSITSS64042.2024.10816841.
6	Post-Quantum Cryptography: Securing Digital Communication in the Quantum Era	Mamatha, G.S., Sinha R. and Dimri N.	arXiv preprint arXiv:2403.11741 (2024). https://doi.org/10.48550/arXiv.2403.11741

7	Architecture Comparison and Security Assessment Tool for Network Infrastructure	N.J. Prajwal, Shreenidhi T.L., M.S. Sandeep Kamath, Manoj M., K. Akash, Priyanshu Ranjan, Anala M.R.	Architecture Comparison and Security Assessment Tool for Network Infrastructure Doi: 10.1109/CSITSS64042.2024.10816965.
8	Multimodality in Online Education: A Comparative Study	Praneeta Immadisetty, Pooja Rajesh, Akshita Gupta, Dr. Anala M.R., Dr. Soumya A. and Dr. K.N. Subramanya	Multimed Tools Appl (2025). https://doi.org/10.1007/s11042-024-20540-0
9	DLKS-MQTT: A Lightweight Key Sharing Protocol for Secure IoT Communications.	Kaganurm Math S., Cholli N.G. and Anala M.R.	DLKS-MQTT: A Lightweight Key Sharing Protocol for Secure IoT Communications. DOI: https://doi.org/10.48084/etasr.10216 .
10	Machine Learning Algorithms for Improved Script Evaluation	Ashwini K.B. and Mayuri Patwardhan	8th International Conference on Computational Systems and Information Technology for Sustainable Solutions (CSITSS), November 2026 10.1109/CSITSS64042.2024.10816841.
11	Real-time Performance Monitoring of HPC Clusters: Techniques and Challenges	M.S. Sandeep Kamath, Ashwini K.B.	International Journal of Scientific Research in Engineering and Management (IJSREM) Volume: 08 Issue: 06 June 2024 10.55041/IJSREM35707
12	Automation in Cloud Infrastructure Management: Enhancing Efficiency and Reliability	Varshitha Bysani, Nimisha Dey, Ashwini K.B.	International Journal of Scientific Research in Engineering and Management (IJSREM) Volume: 08 Issue: 06 June 2024 10.55041/IJSREM35750
13	Real-time Performance Monitoring of HPC Clusters: Techniques and Challenges	M.S. Sandeep Kamath and Ashwini K.B.	International Journal of Scientific Research in Engineering and Management, Volume: 08 Issue: 06 June 2024 ISSN: 2582-3930 UGC CARE JOURNAL 10.55041/IJSREM35750

14	Cyber Security in Healthcare Industry: A Global Perspective	R. Varsha Bantia, Padmashree T.	Proceedings of World Conference on Artificial Intelligence: Advances and Applications, Algorithms for Intelligent Systems, Springer, Oct 2024 10.1007/978-981-97-4496-1_15
15	Real-Time Text Extraction and Video Interpreter System	Aneesh Sai Grandhi, Syed Umair, Bolla Sai Naga Yaswanth, Aditya Ravi, Dr. Padmashree T., Dr. Sagar B.M.	8th International Conference on Computational Systems and Information Technology for Sustainable Solutions (CSITSS), November 2026 10.1109/CSITSS64042.2024.10816843
16	Phishing Website Detection Using Machine Learning Algorithms	Pulkit Garg, Kartikay, Ankush Kalsotra, B. Mohit Manihara, Padmashree T.	Journal of Emerging Technologies and Innovative Research, Volume 11, Issue 6, June 2024 ISSN: 2349-5162
17	Digital Transformation in Various Sectors of Indian Economy	Sanjana Patwari, S.S. Ashish, Aaditaa Vashisht, Ehsaas Rajpurohit, Vanishree K.	8th International Conference on Computational Systems and Information Technology for Sustainable Solutions (CSITSS 2024) organised by RV College of Engineering, Bengaluru-560059, November 2024.
18	Optimizing Microbial Fuel Cells for Commercial Use: A Study on Electrode Durability, Organic Substrates, and User-Friendly Design	Poturi Anirudh Sai, Suhani Maity, Nikita S. Raj Kapini Vanishree K., Dhruthi Rudrangi, Swetha S.M.	2025 International Conference on Intelligent and Innovative Technologies in Computing, Electrical and Electronics (IITCEE) March 2025 IEEE DOI: 10.1109/IITCEE64140.2025.10915502
19	Economic Advancements In Renewable Energy Technologies: A Comprehensive Review Of Solar, Wind, Hydropower, Biomass, And Geothermal Innovations	Shreya Pathya, Romharsh Sheth, Ananya Anand, Sanjay D. Kulal, Shreeja P. Kulkarni, Vanishree K.	TIJER - INTERNATIONAL RESEARCH JOURNAL, ISSN 2349-9249, October 2024, Volume 11, Issue 10, 2024.
20	Optimizing Cloud Strategies: A Cloudonomics Perspective on Cost, Value, and Efficiency	Yashvanth B.L., Obbu Venkata Sai Nithin, Sohan Raju, Shashwath S.H., Vanishree K.	DOI: 10.15680/IJIRSET.2025.1401093

21	India's Digital Transformation: The Shift From Monopolistic Competition To Platform Economies	Ishan Gupta, Sadhana C.K., Amulya S., Yogish H.G., Vanishree K.	International Journal of Creative Research Thoughts (IJCRT), www.ijcrt.org © 2025 IJCRT Volume 13, Issue 2 February 2025 IJCRT2502032 www.ijcrt.org a271 ISSN: 2320-2882
22	Optimizing Cloud Strategies: A Clouconomics Perspective on Cost, Value and Efficiency	Yashvanth B.L., Obbu Venkata Sai Nithin, Sohan Raju, Shashwath S.H. and Vanishree K.	International Journal of Innovative Research in Science Engineering and Technology (IJIRSET) (A Monthly, Peer-Reviewed, Refereed, Scholarly-Indexed, Open Access Journal), Volume 14, Issue 1, January 2025 DOI: 10.15680/IJIRSET.2025.1401093 DOI: 10.35808/ijeba/872
23	India's Digital Transformation: The Shift From Monopolistic Competition To Platform Economies	Ishan Gupta, Sadhana C.K., Amulya S., Yogish H.G., Vanishree K.	International Journal of Creative Research Thoughts (IJCRT), Volume 13, Issue 2, February 2025 ISSN: 2320-2882, 279, Volume 13, Issue 02, Page No. 271-279
24	N J Prajwal, Keshav, Sameeksha, B K Srinivas, S Swetha	N.J. Prajwal, Keshav, Sameeksha, B.K. Srinivas, S. Swetha	IEEE Xplore: 26 July 2024, International Conference of Emerging Technologies, INCET 2024 10.1109/INCET61516.2024.10593197
25	Exploring Unsupervised Learning Paradigms For Object Detection: A Survey	Rekha B.S., Supriya	UGC-Care Approved Group-2 Journal, ISSN: 0039-2049, Vol-11, Issue- 08, ISSN:0039-2049, Impact Factor 6.1, August 2024 10.5281/Zenodo.13346391
26	Retail Analysis And Inventory Management	Sunaina, Rekha B.S.	Retail Analysis And Inventory Management DOI:10.55/IJSREM41644
27	Notarizer - A New Approach to Perform Notarization Through Blockchain	Abdu Rehaman Pasha Syed, Dileep Sharma, Karthik Pai, S. Swetha and K. Sharadadevi	2024 International Conference on Circuit, Systems and Communication (ICCSC), Fes, Morocco, 2024, pp. 1-9, IEEE Xplore: 06 August 2024 10.1109/ICCSC62074.2024.10616496.

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29	An Advanced Semantic Feature-Based Cross-Domain PII Detection, De-Identification and Re-Identification Model Using Ensemble Learning	Poornima K., Cauvery N.K., Hemavathy R.	International Journal of Advanced Computer Science and Applications (IJACSA), Vol. 15, Issue.12,2024
30	Enhancing Operational Efficiency by Implementation of an ERP System in Engineering Institution - A Case Study	K.N. Subramanya, N.K. Cauvery, R.B. Ravi Varma, I.M. Umesh	8th International Conference on Computational Systems and Information Technology for Sustainable Solutions (CSITSS), November 2024 10.1109/CSITSS64042.2024.10816905

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2	The Future of DevOps Compute: A Survey of Innovative Strategies for Efficient Resource Utilization	Anushka Jindal, Dr. G.S. Mamatha	International Journal of Scientific Research in Engineering & Management(IJSREM), Volume 8, Issue 6, June 2024, ISSN: 2582-3930, DOI: 10.55041/IJSREM35637

3	Post-Quantum Cryptography: Securing Digital Communication in the Quantum Era	Dr. G.S. Mamatha, Rasha Sinha, Namya Dimri	International Preprint arXiv preprint arXiv: 2403.11741 (2024).
4	Public Key Security for Quantum Key Distribution	Dr. G.S. Mamatha, A.S. Aneesh, G. Chaitanya	8th International Conference on Computational Systems and Information Technology for Sustainable Solutions (CSITSS), November 2024, 10.1109/CSITSS64042.2024.10816841.
5	Optimizing SaaS Metrics with Advanced Data Processing and Machine Learning Techniques	Dr. G.S. Mamatha, Relia Maharshi Chetan	8th International Conference on Computational Systems and Information Technology for Sustainable Solutions (CSITSS), November 2024 10.1109/CSITSS64042.2024.10816841.
6	Empowering Knowledge sharing through AI-driven Semantic Video Search	Mayank Somani, Dr. G.S. Mamatha	International Journal of Scientific Research in Engineering & Management (IJSREM) Volume 08 Issue 06 June 2024
7	Novel Design Templates for OTT Platform Thumbnails to Engage the Viewers	K R Supritha, Dr. G.S. Mamatha	International Conference on Smart Trends in Computing & Communications, Lecture Notes in Networks & Systems 947 to Springer Nature Singapore Pvt Ltd. 2024, dio.org/10.1007/978-981-97-1326-4_33
8	An Add-on CNN-based Model for the Detection of Tuberculosis using Chest X-ray Images	Roopa N.K., Dr. G.S. Mamatha	International Journal of Advanced Computer Science and Applications (IJACSA), Vol. 14, No. 3, 2023
9	Bio-intelligent Computing & Optimization Techniques for Developing Computerized Solutions	Dr. G.S. Mamatha, Haripriya V. Joshi, R. Amith	Advances in Computers ISSN 0065-2458, doi.org/10.1016
10	AI Assistant for Visually Impaired	Dr. Sagar B.M., Shashank S.J., Shashank V., Hitesh Belekeri, Promod J.	International Journal of Scientific Research in Engineering and Management (IJSREM), ISSN: 2582-3930, Volume: 08, Issue: 06 June 2024. DOI: 10.55041/IJSREM35703

11	A Comprehensive Survey on Fraud Detection Methods in Financial Transactions	Shreenidhi T.L., Dr. Sagar B.M.	International Journal of Scientific Research in Engineering and Management (IJSREM), ISSN: 2582-3930, Volume: 08, Issue: 06 June 2024. DOI: 10.55041/IJSREM35603
12	Acoustic Signal Detection of Search-Phase Echolocation Bat Calls with CNN	Dr. Anala M.R., Hemavathy R., Dhanush M.	International Journal of Intelligent Systems And Applications In Engineering, ISSN:2147-67992, IJISAE, 2024, 12(11s), 78-85
13	Land Scene Classification from Remote Sensing Images Using Improved Artificial Bee Colony Optimization Algorithm	Dr. Anala M.R.	International Journal of Electrical and Computer Engineering (IJECE). 14. 347. 10.11591/ijece.v14i1.pp347-357
14	AI-Based Surveillance Framework for Physical Violence Detection	Dr. Anala M.R.	International Journal of Intelligent Systems and Applications in Engineering (IJISAE), ISSN: 2147-67992, 2024, 12(3), 1470-1481.
15	Plan LLM: Planning-based Large Language Agents to Address Data Manipulation Queries, Using Local Large Language Models	Abdu Rehaman Pasha Syed, Dr. Kavitha S.N.	International Journal of Scientific Research in Engineering and Management, Volume: 08 Issue: 06, ISSN: 2582-3930, June 2024 DOI: 10.55041/IJSREM35376
16	Analysis of Crime Data Visualization and Clustering: PCA + K-Means vs. Feature Extraction	Vibhu Dixit, Padmashree T.	International Journal of IEEE Xplore, December 2024, DOI: 10.1109/CSITSS60515.2023.10334126
17	Real-time Text Extraction & Video Interpreter System	Aneesh Sai Grandhi, Syed Umair, Bolla Sai Naga Yaswanth, Aditya Ravi, Dr. Padmashree T., Dr. Sagar B.M.	8th International Conference on Computational Systems and Information Technology for Sustainable Solutions (CSITSS), November 2024, 979-8-3315-0546-2/24/\$31.00 DOI: 10.1109/CSITSS64042.2024.10816843
18	Technological Advances in Cancer Imaging: A Transformative Impact	Anagha J. Acharya, Keerthi Reddy, Prarthana Ullur, Pratika J., Dr. Padmashree T.	4th Asian Conference on Innovation in Technology (ASIANCON) Pune, India Aug 23-25, 2024, 979-8-3503-5421-8/24/\$31.00 IEEE 2024

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20	Real-time Performance Monitoring of HPC Clusters: Techniques and Challenges	M.S. Sandeep Kamath, Ashwini K.B.	International Journal of Scientific Research in Engineering and Management (IJSREM) Volume: 08 Issue: 06 June 2024, 10.55041/IJSREM35707
21	Automation in Cloud Infrastructure Management: Enhancing Efficiency and Reliability	Varshitha Bysani, Nimisha Dey, Ashwini K.B.	International Journal of Scientific Research in Engineering and Management (IJSREM) Volume: 08 Issue: 06 June 2024, 10.55041/IJSREM35750
22	Exploring Unsupervised Learning Paradigms For Object Detection: A Survey	Rekha B.S., Supriya, Manasvini	UGC-Care Approved Group-2 Journal, ISSN: 0039-2049, Vol-11, Issue- 08, ISSN:0039-2049, Impact Factor 6.1, August 2024, 10.5281/Zenodo.13346391
23	A Review on Leveraging Machine Learning for Anomaly Detection in Cloud Cost Management	Anusha Jain, Rekha B.S.	International Journal of Scientific Research in Engineering and Management (IJSREM), ISSN: 2582-3930, Volume: 08, Issue: 06, June 2024, DOI: 10.55041/IJSREM35775
24	Progressive Web Apps in Cross-platform Development: A Comparative Analysis and Evaluation	Manu S. Rao, Rekha B.S.	International Journal of Scientific Research in Engineering and Management (IJSREM), ISSN: 2582-3930, Volume: 08, Issue: 06 June 2024. 10.55041/IJSREM35595
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26	A Survey of Cloud Gaming Platforms: Architectural Design & Performance Evaluation of Major Providers	Phanindra B.N., Vanishree K.	International Journal of Scientific Research in Engineering & Management(IJSREM), Volume 8, Issue 6, June 2024, ISSN: 2582-3930

27	Digital Transformation in Various Sectors of Indian Economy	Sanjana Patwari, S.S. Ashish, Aaditaa Vashisht, Ehsaas Rajpurohit, Vanishree K.	8th International Conference on Computational Systems and Information Technology for Sustainable Solutions (CSITSS 2024) organised by RV College of Engineering, Bengaluru-560059, November 2024.
28	RAG-Based Chatbot using LLMs	Ananya G., Vanishree K.	International Journal of Scientific Research in Engineering & Management(IJSREM), Volume 8, Issue 6, June 2024, ISSN: 2582-3930 10.55041/ISREM35600
29	Economic Advancements In Renewable Energy Technologies: A Comprehensive Review Of Solar, Wind, Hydropower, Biomass, And Geothermal Innovations	Shreya Pathya, Romharsh Sheth, Ananya Anand, Sanjay D Kulal, Shreeja P Kulkarni, Vanishree K.	Tijer - International Research Journal, ISSN 2349-9249, October 2024, Volume 11, Issue 10, 2024.
30	Web Automation of Capital Management Software Using Selenium and Java	Shantanu Jha, Sushmitha N., Akshay Suryavanshi, Dr. Ranjani G.	International Journal of Scientific Research in Engineering and Management (IJSREM), ISSN: 2582-3930, Volume: 08, Issue: 06 June 2024, DOI: 10.55041/IJSREM35627
31	Review of Cloud Migration Strategies: Exploring Advantages, Challenges and Cost Analysis	Yashwanth Kumar C., Sushmitha N., Harini K.S.	International Journal of Scientific Research in Engineering and Management (IJSREM), ISSN: 2582-3930, Volume: 08, Issue: 06 June 2024. 10.55041/IJSREM35549
32	Challenges in Quick Commerce: High Costs and Quality Disparities in Fresh Produce	Dhisha S. Babu, Singareddy Yaswanth, Thasmayi C., Sushmitha N.	International Research Journal of Engineering and Technology (IRJET), e-ISSN: 2395-0056, p-ISSN: 2395-0072, Volume: 11 Issue: 05 May 2024.
33	Acoustic Signal Detection of Search Phase Eco Location Bat Calls with CNN	Varnith Shree, Affan Ahmed, Poornima Kulkarni	International Journal for Research Trends & Innovation (IJRTI), Volume 9, Issue 6, June 2024, ISSN: 2456-3351

34	A Delve into the Implementation of Data Quality Framework on Very Large Databases	Aditya Kamarthi, Poornima Kulkarni	International Journal of Scientific Research in Engineering & Management (IJSREM), Volume 8, Issue 6, June 2024, ISSN: 2582-3930, 10.55041/ISREM3561
35	An Advanced Semantic Feature-Based Cross-Domain PII Detection, De-Identification, and Re-Identification Model Using Ensemble Learning	Poornima K., Cauvery N.K., Hemavathy R.	International Journal of Advanced Computer Science and Applications (IJACSA), Vol. 15, Issue.12,2024
36	Notarizer - A new approach to perform notarization through blockchain	Abdu Rehaman Pasha Syed, Dileep Sharma, Karthik Pai, S. Swetha, K. Sharadadevi	2024 International Conference on Circuit, Systems and Communication (ICCSC), Fes, Morocco, 2024, pp. 1-9, IEEE Xplore: 06 August 2024
37	Automating Registration of Executables as Commands on the Ubuntu-Linux Platform	N.J. Prajwal, Keshav, Sameeksha, B.K. Srinivas, S. Swetha	IEEE Xplore: 26 July 2024, International Conference of Emerging Technologies, INCET 2024, 10.1109/INCET61516.2024.10593197
38	Enhancing Operational Efficiency by Implementation of an ERP System in Engineering Institution - A Case Study	K.N. Subramanya, N.K. Cauvery, R.B. Ravi Varma, I.M. Umesh	8th International Conference on Computational Systems and Information Technology for Sustainable Solutions (CSITSS), November 2024, 10.1109/CSITSS64042.2024.10816905
39	Machine Learning (IQ Tree 2) Integrated Phylogenetic Assessment Studies of Avian Influenza Virus A (H5N1) Considering Polymerase Basic Protein 1 (PB-1) Sequences	M..S Upamanyu, R.S. Preetham, R.B. Ravi Varma, I.M. Umesh, Raje Siddiraju Upendra, R. Karthik	8th International Conference on Computational Systems and Information Technology for Sustainable Solutions (CSITSS). November 2024

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2	Study on Change Data Capture Techniques for Incremental Loading in Data Warehouse	Ramadas K Kamat, Dr. Mamatha G.S.	International Journal of Advanced Research in Computer & Communication Engineering, Volume 11, Issue 7, Pg no 261-266, July 2022, ISSN (O) 2278-1021, IJARCCE ISSN (P) 2319-5940, DOI: 0.17148/IJARCCE.2022.11748
3	Comparative Study of Popular Data Quality Tools	Mahesh S.P., Dr. Mamatha G.S.	International Journal of Advanced Research in Computer and Communication Engineering, Volume 11, Issue 7, Pg no 372-377, July 2022, ISSN (O) 2278-1021, IJARCCE ISSN (P) 2319-5940, DOI: 10.17148/IJARCCE.2022.11769
4	A Study on Organic Search Optimization	Pranav Mahajan, Dr. G.S. Mamatha	International Journal of Scientific Research and Engineering Development - Volume 5 Issue 4, July-Aug 2022, ISSN: 2581-7175
5	Social Distancing Detection in Real Time Using Deep Learning and IoT	Dheeraj Shenoy N., Dr. Anala M.R.	International Journal for research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653: IC Valu: 45.98: SJ Impact Factor: 7.538, Volume 10, ISSUE 7, July 2022, PP 3373380
6	Webhook Support for Alert Policies	K. Anjani Vaibhavi, Dr. Anala M.R.	International Research Journal of Engineering and Technology (IRJET) Volume:09, Issue 07, July 2022, ISSN: 2395-0072
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9	Unified Platform for Test Case Management	Varshni P, Sandeep Belagavi, Dr. Rajashekara Murthy S.	International Journal of all Research Education and Scientific Methods (IJARESM), ISSN: 2455-6211, Volume 10, Issue 7, July 2022 Impact Factor: 7.429, PP 2247-2250
10	Developing Microservices with Java and Applying Spring Security Framework and OAuth2	Snehas Suresh Vanjire, Dr. Rajashekara Murthy S.	International Research Journal of Engineering and Technology (IRJET), Volume: 09 Issue: 07 July 2022, PP 2326-2330, Impact Factor value: 7.529, ISO 9001:2008
11	Server Virtualization in Higher Educational Institutions: A Case Study	Sreelakshmi Koratagere, Ravi Kumar Chandrashekarappa Koppal, Iyyanahalli Math Umesh	International Journal of Electrical and Computer Engineering(IJECE), Volume 13, No.4, August 2023, pp 4477-4487
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21	Tracking Locomotion Using Reinforcement Learning	Rutuja Jadhav, Prof. Priya D., Dr. Mamatha G.S.	International Research Journal of Engineering and Technology (IRJET), Volume:10, Issue: 07, July 2022, ISSN: 2395-0072, PP 1777-1783
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