



DEPARTMENT OF CSE (IoT&CSBCT)

List of Journal Publications

S.N 0.	Name of the Authors	Name	DoI	Type of Publication (Journal/Conf erence/Book Chapter)	Autho r(s) Positio n(s) of CBIT facult y	Q1/Q 2/Q3/ Q4	Scopus Indexed (Yes / No)	WoS Indexed (Yes / No)	Published Date	AY	Proof
AY 2025-2026											
1.	Agrawal, K., Reddy, P.V.G.D.P., Chittineni, S.	A Lightweight Edge Layer Group Key Agreement Protocol For IoT Using Elliptic Curve Cryptography And Shamir's Secret Sharing	10.26782/jmcm s.2025.11.0000 7	Article	1	Q4	Yes	No	12-11- 2025	2025- 2026	https://tinyurl.com/shct8be2
2.	Agrawal, K., Reddy, P.P., Chittineni, S.	A Lightweight Security Framework for Edge Layer IoT Networks using Neural Cryptography and Virtualization	10.33166/AETi C.2025.05.004	Article	1	Q2	Yes	No	25-10- 2026	2025- 2026	https://tinyurl.com/yv2nd999
3.	Agrawal, K., Reddy, P.P., Chittineni, S.	Chaotic-Lattice Feistel Cipher (CLFC): A Post- Quantum Secure and Lightweight Cryptographic Framework for Resource- Constrained IoT Edge Devices	10.33166/AETi C.2025.05.006	Article	1	Q2	Yes	No	25-10- 2025	2025- 2026	https://tinyurl.com/4sannfprd

4.	Reddyboina, A., Kumar, M., Ramalingam, S., Gudeme, J.R.	Deep networks based energy aware smart coordinated system for house management	10.1007/s41870-025-02634-6	Article	4	Q2	Yes	No	01-8-2025	2025-2026	https://link.springer.com/article/10.1007/s41870-025-02634-6
AY 2024-2025											
1.	Gupta, S., Chithaluru, P., Stephan, T., Nafisa, S., Kumar, S.	HSPBCI: a robust framework for secure healthcare data management in blockchain-based IoT systems	10.1007/s11042-024-20267-y	Article	1	Q1	Yes	No	01-09-2024	2024-2025	https://link.springer.com/article/10.1007/s11042-024-20267-y
2.	Patel, M., Patel, S.B., Swain, D., Mallagundla, R.	Enhancing Accuracy in Hourly Passenger Flow Forecasting for Urban Transit Using TBATS Boosting	10.3390/modelling6020032	Article	4	Q1	Yes	Yes	17-04-2025	2024-2025	https://www.mdpi.com/2673-3951/6/2/32
3.	Srilakshmi CH, Sridevi Gudepub, Krishnaveni Mummidic, Sekhar CH, Vamsinath J, Arasavalli Nagamalli, Kumar, Mirtipati Satish	A convolutional neural network with average pooling for chickpea disease detection and classification	10.14419/pr4acd16	Article	1	-	Yes	No	02-05-2025	2024-2025	https://www.sciencepubco.com/index.php/IJBAS/article/view/33363

4.	Mamatha, G., Nayak, J.S.	A Novel Design and Implementation of Fertilizer Recommendation System Based on Hybrid Machine Learning Models	10.14445/23488379/IJEEE-V11I11P141	Article	1	Q4	Yes	No	30-11-2024	2024-2025	https://tinyurl.com/y38pephp
5.	Singamaneni, K.K., Muhammad, G.	A novel integrated quantum-resistant cryptography for secure scientific data exchange in ad hoc networks	10.1016/j.adhoc.2024.103607	Article	1	Q1	Yes	Yes	24-07-2024	2024-2025	https://tinyurl.com/mryses29
6.	Damineni, D.H., Srilakshmi, C.H., Sravanthi, J., Mirtipati, S.K., Yavanamandha, P.	An Opening-Snap Heart Sound-Aware DGMC-L1,2-Based Multi-Heart Disease Prediction Using ECG and PCG	10.3991/ijoe.v20i14.51371	Article	2	Q2	Yes	No	14-11-2024	2024-2025	https://tinyurl.com/ms36tnhz
7.	Kalidindi, A., Koti, B.R., Srilakshmi, C.H., ... Kandi, A.R., Makutam, G.S.S.	Advanced Machine Learning Techniques for Enhancing Network Intrusion Detection and Classification Using DarkNet CIC2020	10.3991/ijoe.v20i15.50873	Article	3	Q2	Yes	Yes	01-12-2024	2024-2025	https://tinyurl.com/yxfekwk
AY 2023-2024											
1.	Pranati Mishra, Ranjan Kumar Dash, Deeepak Kumar Panda, Ashish, Nukala Sujata Gupta	Reliability Evaluation of a Wireless Sensor Network in Terms of Network Delay and Transmission Probability for IoT Applications	DOI: https://doi.org/10.37256/cm.5120242906	Article	4	Q1	No	Yes	22-1-2024	2023-2024	https://ojs.wiserpub.com/index.php/CM/article/view/2906
2.	Singamaneni, K.K., Yadav, K., Aledaily, A.N., Dhiman, G., Kaur, A.	Decoding the future: exploring and comparing ABE standards for cloud, IoT, blockchain security applications	10.1007/s11042-024-19431-1	Article	1,2	Q1	Yes	No	30-5-2024	2023-2024	https://tinyurl.com/ys5fkm28

3.	Singamaneni, K.K., Muhammad, G., Ali, Z.	A Novel Multi-Qubit Quantum Key Distribution Ciphertext-Policy Attribute-Based Encryption Model to Improve Cloud Security for Consumers	10.1109/TCE.2023.3331306	Article	1	Q1	Yes	Yes	01-02-2024	2023-2024	https://t inyurl.c om/338 dx8b4
4.	Vijayan, H., M, S., K, S.	A-MKMC: An effective adaptive-based multilevel K-means clustering with optimal centroid selection using hybrid heuristic approach for handling the incomplete data	10.1016/j.datak.2023.102243	Article	2	Q2	Yes	No	01-03-2024	2023-2024	https:// dl.acm. org/doi /10.101 6/j.data k.2023. 102243
5.	Singamaneni, K.K., Budati, A.K., Bikku, T.	An Efficient Q-KPABE Framework to Enhance Cloud-Based IoT Security and Privacy	10.1007/s11277-024-10908-8	Article	1	Q2	Yes	Yes	01-03-2024	2023-2024	https://t inyurl.c om/3p6 a6ee9
6.	Nukala Sujata Gupta, Saroja Kumar Rout, Shekharesh Barik, Ruth Ramya Kalangi, B Swapna	Enhancing Heart Disease Prediction Accuracy Through Hybrid Machine Learning Methods	10.4108/eetiot.5367	Article	1	Q3	No	No	11-03-2024	2023-2024	https://t inyurl.c om/5n8 snhym
7.	Singamaneni, K.K., Mahesh, T.R., Vinoth, K.V., Balajee, J., Mohan, E.	Unleashing the Power of a Novel Lightweight Lattice-based CP-ABE for Robust IoT Data Transmission	10.32908/ahswn.v59.11431	Article	1	Q3	Yes	Yes	12-04-2024	2023-2024	https://t inyurl.c om/mr x5jjhz
AY 2020-2021											
1.	Narsimhulu, P., Chithaluru, P., Al-Turjman, F. Stephan, T., Kumar, M.	An intelligent FL-based vehicle route optimization protocol for green and sustainable IoT connected IoV	10.1016/j.iot.2024.101240	Article	1	Q1	Yes	Yes	30-03-2021	2020-2021	https://t inyurl.c om/53r bdzbn