Journals

Serial No	Quality publication in referred/SCI journals
1	S Biswas, S Dey, P Nath, and **S Nath** (2022). Cipher constrained encoding for constraint optimization in extended nucleic acid memory. Computational Biology and Chemistry, Elsivier 99, p.107696
2	S Mandal, A Mitra, S Dey, P Nath, and **S Nath**. (2022) Encrypted Neural Network [J]. Int J Performability Eng, 18(6): 453-462.
3	**Mondal, S**., Banerjee, S., Mukherjee, S., & **Sengupta, D**. (2022). Plant Disease Detection using Ensembled CNN Framework. Computer Science, 23(3).
4	**Sengupta, D**., **Mondal, S**., De Kumar, A., & Sur, P. (2022). Classification of diabetic retinopathy using stacked machine learning approach on low resource dataset. Innovations in Systems and Software Engineering, 1-9.
5	Das, S., Sultana, M., Bhattacharya, S., **Sengupta, D**., & De, D. (2023). XAI–reduct: accuracy preservation despite dimensionality reduction for heart disease classification using explainable AI. The Journal of Supercomputing, 1-31.
6	**Khan, S. S**., **Sengupta, D**., Ghosh, A., & Chaudhuri, A. (2023). MTCNN++: A CNN-based face detection algorithm inspired by MTCNN. The Visual Computer, 1-19.
7	**Biswas, Surama**, Wesley Clawson, and Michael Levin. "Learning in Transcriptional Network Models: Computational Discovery of Pathway-Level Memory and Effective Interventions." International Journal of Molecular Sciences 24.1 (2023): 285.
8	**Sengupta, D.**, **Mondal, S**., De Kumar, A. et al. Classification of diabetic retinopathy using stacked machine learning approach on low resource dataset. Innovations Syst Softw Eng (2022).
9	**A. Dey**, S. Chowdhury, M. Ghosh, S. Kahali "T2-Fuzzy Multi-Fused Facial Image Fusion (T2FMIF): An Efficient Face Recognition", Journal of Intelligent & fuzzy system, Vol. 45, No. 1, pp.743-761 , 2023.
10	**Mukherjee, A.,** Chaki, R., & Chaki, N. (2023). An unsupervised learning-guided multi-node failure-recovery model for distributed graph processing systems. The Journal of Supercomputing, 1-26.
11	Debjeet Ganguly, Amit Kundu, **Chandan Kumar Bhattacharyya**, "Empowering Smart City Governance: Role of Quality Variables in e-Governance", Journal of the Institute of Cost Accountants of India, ISSN: 0972-3528, Vol 58, June 2023, Pages: 56 – 61.
12	Parantap Chatterjee, Amit Kundu, **Chandan Kr. Bhattacharyya**, "Learning Management System (LMS) and it's perception among the Stakeholder's of Educational Institutes: A Comprehensive Review", International Journal on New Applied Studies in Management, Economics & Accounting (NASMEA), Iran, 2022, E-ISSN: 2783-3119
13	Debjeet Ganguly, Amit Kundu, **Chandan Kumar Bhattacharyya**, "Quality of e-Governance in Smart Cities: A qualitative review of literature", International Journal of Mechanical Engineering (IJME 2022), ISSN: 0974-5823, Vol 7, January 2022, Pages: 2441 – 2447.

14	**Ray, M**., Mahata, N., & Sing, J. K. (2023). Uncertainty parameter weighted entropy-based fuzzy c-means algorithm using complemented membership functions for noisy volumetric brain MR image segmentation. Biomedical Signal Processing and Control, 85, 104925.
15	**Goswami, S**., Roy, S., Banerjee, S., Bhattacharya, S. and Choudhury, S., 2022. A profiling-based movie recommendation approach using link prediction. Innovations in Systems and Software Engineering, pp.1-8.

Conferences

Serial No	Quality publication in Conference
1	**S. Nath**, A Dey, P Das, D Mohapatra, JK Sing, SK Sarkar, "Application of Soil Sensors for Maximizing Productivity using IoT framework" IEEE conference VLSI DCS 2022, Kolkata
2	P. Das, S. Bhaumik, **S. Nath**, "Signature Recognition and Detection of Skilled Forgeries using Image Transformation and Multistream CNN" IEEE conference VLSI DCS 2022, Kolkata
3	S Dey, I Das, S Das, **S Nath**, "Design and Implementation of Authentication System using Deep Convoluted Siamese Network" IEEE conference VLSI DCS 2022, Kolkata
4	P Nath, S.Dey**, S.Nath**, A Shankar, J K Sing, SK Sarkar, "VLSI Routing Optimization using Hybrid PSO based on Reinforcement Learning", IEEE conference VLSI DCS 2022, Kolkata
5	S. Biswas, T. Ghosh and **S. Nath**, "Selective Run-Length Constrained Encoding Scheme on Extended Nucleic Acid Memory," 2022 IEEE VLSI Device Circuit and System (VLSI DCS), Kolkata, India, 2022, pp. 148-153
6	I. Das, P. Das, A. Roy, P. Debnath and **S. Nath,** "Medical Diagnosis and Identification of Covid -19 by Intelligent IoT System and Resnet 18 Bilinear Deep Greedy Network," 2022 IEEE International Conference of Electron Devices Society Kolkata Chapter (EDKCON), Kolkata, India, 2022, pp. 128-133
7	P. Das, I. Das, S. Chakraborty, S. Mandal and **S. Nath**, "IoT Based Intelligent System for Covid - 19 hotspot detection by CNN Crowd Density Algorithm," 2022 IEEE International Conference of Electron Devices Society Kolkata Chapter (EDKCON), Kolkata, India, 2022, pp. 134-139
8	I. Das, K. Jha, P. Debnath and **S. Nath**, "VLSI and AES based IoT security by Modified Random S- Box Generation," 2022 IEEE International Conference of Electron Devices Society Kolkata Chapter (EDKCON), Kolkata, India, 2022, pp. 264-269
9	O.S.Mandal, **A. Dey,** S Nath, R.N. Shaw, A. Ghosh (2023). Fruit-Net: Fruits Recognition System Using Convolutional Neural Network. In: Advanced Communication and Intelligent Systems. ICACIS 2022. Communications in Computer and Information Science, vol 1749.

	Springer, Cham.
10	**Sengupta, D., Mondal, S.,** Singh, Y. R., & Pandey, A. (2023). Performance Analysis of Machine Learning Algorithms for Prediction of Cerebral Attack (Stroke). In Frontiers of ICT in Healthcare: Proceedings of EAIT 2022 (pp. 215-228). Singapore: Springer Nature Singapore.
11	**Sengupta, D., Mondal, S**., Raj, A., & Anand, A. (2023). Binary Classification of Thyroid Using Comprehensive Set of Machine Learning Algorithms. In Frontiers of ICT in Healthcare: Proceedings of EAIT 2022 (pp. 265-276). Singapore: Springer Nature Singapore.
12	**Sengupta, D., Mondal,** S., Chatterjee, D., Pradhan, S., & Sur, P. (2023). A Low Resource Machine Learning Approach for Prediction of Dressler Syndrome. In Intelligent Systems and Human Machine Collaboration: Select Proceedings of ICISHMC 2022 (pp. 57-67). Singapore: Springer Nature Singapore.
13	Chatterjee, S., Adhikary, S., Chakraborty, D., Sarkar, N., & **Sengupta, D**. (2023, March). Experimental Validation of Mesa Sine Wave in Stock Price Prediction. In Proceedings of Third International Conference on Advances in Computer Engineering and Communication Systems: ICACECS 2022 (pp. 143-152). Singapore: Springer Nature Singapore.
14	A Hossain, **S Mondal**, Z Rehena, "Determining k-partitions of Mobile WSN ensuring one-hop communication with total coverage", 2022 IEEE Calcutta Conference (CALCON), 2022/12/10, Pages 196-200
15	S Roy, C Pani**, S Bera**, "Design and Performance Analysis of Electro Optic ToR(EO-ToR) for Low Latency Data Center Network", [979-8-3503-1312-3/23/$31.00 ©2023 IEEE].
16	**D. Sengupta**, **S. Mondal**, S. Basu, A. K. De, S. Nath and A. Pandey, "Classification of Acute Liver Failure using Machine Learning Algorithms," 2022 IEEE International Conference on Electronics, Computing and Communication Technologies (CONECCT), 2022, pp. 1-6
17	**D. Sengupta, S. Mondal**, S. Banerjee and H. Navin, "A Retrospective Study on Obesity to Evaluate Omnipotence of Physical Condition Feature Set," 2022 IEEE International Conference on Data Science and Information System (ICDSIS), 2022, pp. 1-6, doi: 10.1109/ICDSIS55133.2022.9915821.
18	M. Mukhopadhyay, **A. Dey**, A. Ghosh, and R. N. Shaw, "Facial emotion recognition based on Textural pattern and Histogram of Oriented Gradient", Proceeding of the ICACIS 2022, pp- 111-119, 2022.
19	**Giri, B.,** Agarwal, S. K., Kumari, N., Majumder, R., Gupta, S., & Mitra, A. (2022, December). Survival Prediction of a Patient afterward a Heart Attack by Machine Learning. In *2022 5th International Conference on Contemporary Computing and Informatics (IC3I)* (pp. 1231-1236). IEEE.
20	Roy, C., **Mukherjee, A**., & Chaki, N. (2022, September). Merkle DAG-based Distributed Data Model for Content-addressed Trust-less Verifiable Data. In 2022 7th International Conference on Computer Science and Engineering (UBMK) (pp. 462-467). IEEE.
21	Poulami Dutta, **Chandan Kumar Bhattacharyya**, "Multi-Modal Sentiment Analysis of Social Media data for Predicting Box-Office Outcome", 4th International Conference on Computing, Communication & Intelligent Systems (ICCCIS), IEEE, November 2023, Submitted.
22	N. Choudhury, **C K. Bhattacharyya**, "Measuring performance ability

	threshold of an individual under perceived stress with cognitive load : A comprehensive approach", 3rd International Conference on Innovative Sustainable Computational Technologies, IEEE, September 2023, Accepted.
23	Parantap Chatterjee, Amit Kundu, **Chandan Kr. Bhattacharyya**, "Investigating Management Students Perception towards Learning Management Systems (LMS) in a Private University of West Bengal" International Conference Reflections on Research Beyond Discipline, International Conference, SXUK Kolkata, March 2023, Book Chapter: 55
24	Parantap Chatterjee, Amit Kundu, **Chandan Kr. Bhattacharyya**, "Students' Attitudes toward the Use of Learning Management System for learning: A study at a university in West Bengal", International Conference IAPOR, Kolkata, January 2023, Book Chapter: 67
25	Poulami Datta, **Chandan Kumar Bhattacharyya**, "Multi-Modal Sarcasm Detection in Social Networks: A Comparative Review", 6th International Conference on Computing Methodologies and Communication (ICCMC2022), IEEE, Erode, India, March 2022, Pages: 224 – 231.
26	Azad Hossain, S Mondal, Z Rehena,a "Determining k-partitions of Mobile WSN ensuring one-hop communication with total coverage" 2022 IEEE Calcutta Conference (CALCON), 2022/12/10, 196-200