Journals

Serial No	Quality publication in referred/SCI journals
1	Biswas, S., **Nath, S**., Dey, S., & Majumdar, U. (2022). Tangent-cut optimizer on gradient descent: an approach towards Hybrid Heuristics. *Artificial Intelligence Review*, *55*(2), 1121-1147.
2	Nath, P., Das, I., **Nath, P**., & Mohapatra, D. (2020). DIABETES PREDICTION AND VALIDATION MODEL USING ML CLASSIFICATION ALGORITHMS. *International Journal of Advanced Research in Computer Science*, *11*(5).
3	**Nath, S**., & Sarkar, S. K. (2021). Metaheuristics-based routing optimisation, balanced workload distribution and security strategy in IoT environment. *International Journal of Advanced Intelligence Paradigms*, *19*(1), 101-117.
4	Srivastava, R., Sabitha, S., **Majumdar, R**., Choudhury, T., & Dewangan, B. K. (2021). Combating disaster prone zone by prioritizing attributes with hybrid clustering and ANP approach. Spatial Information Research, 29(4), 545-556.

Conferences

Serial No	Quality publication in Conference
1	**S. Nath**, A. Paul, R. Banerjee, S. Bhaumik, J. K. Sing and S. Kumar Sarkar, "Optimizing FANET Routing Using a Hybrid Approach of Firefly Algorithm and ACO-Lévy Flight," 2020 IEEE VLSI DEVICE CIRCUIT AND SYSTEM (VLSI DCS), 2020, pp. 378-383
2	S. Dey, S. Biswas, S. Nandi, **S. Nath** and I. Das, "Deep Greedy Network: A Tool for Medical Diagnosis on Exiguous Dataset of COVID-19," 2020 IEEE 1st International Conference for Convergence in Engineering (ICCE), 2020, pp. 340-344
3	**S. Nath**, S. Gupta, S. Biswas, R. Banerjee, J. K. Sing and S. Kumar Sarkar, "GPSO Hybrid Algorithm for Rectilinear Steiner Tree Optimization," 2020 IEEE VLSI DEVICE CIRCUIT AND SYSTEM (VLSI DCS), 2020, pp. 365-369
4	**S. Nath**, A. Shankar, R. Sarkar, S. Banerjee, J. K. Sing and S. K. Sarkar, "Minimizing Wirelength with Bend Reduction using Gradient Descent PSO Hybrid in VLSI Global Routing," 2021 Devices for Integrated Circuit (DevIC), 2021, pp. 401-405
5	**Mondal, S**., Mukherjee, S., Banerjee, S. (2022). Machine Learning Based Malicious Node Detection in IoT Environment. In: Mandal, J.K., De, D. (eds) Advanced Techniques for IoT Applications. EAIT 2021. Lecture Notes in Networks and Systems, vol 292. Springer, Singapore.

6	Mou De, Anirban Kundu, **Sutirtha Kumar Guha**; Advanced Cloud based Task Scheduling Architecture to Optimize Performance in Datacenter, IEEE International Conference for Convergence in Engineering (ICCE); Kolkata, India; IEEE; September 5-6, 2020; pp.139-143.
7	Aditi Bankura, Anirban Kundu, **Sutirtha Kumar Guha**; Zone based Indexing Model for Database Identification in Search Query Processing, IEEE International Conference for Convergence in Engineering (ICCE); Kolkata, India; IEEE; September 5-6, 2020; pp.124-128.
8	**Das, P**., Ghosh, A., & **Majumdar, R**. (2020, June). Determining Attention Mechanism for Visual Sentiment Analysis of an Image using SVM Classifier in Deep learning-based Architecture. In 2020 8th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions) (ICRITO) (pp. 339-343). IEEE.
9	Gupta, S. C., Singh, N. R., Sharma, T., Tyagi, A., & **Majumdar, R**. (2021, September). Generating Image Captions using Deep Learning and Natural Language Processing. In 2021 9th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions) (ICRITO) (pp. 1-4). IEEE.
10	T Mandal, **S Bera**, D Saha, "A Comparative Study of AI-based Predictive Models for Cardiovascular Disease (CVD) Prevention in Next Generation Primary Healthcare Services" 2020 IEEE International Conference for Innovation in Technology (INOCON) Bengaluru, India. Nov 6-8.