

Name of the Faculty: Sangita Bose

Designation: Assistant Professor

Department: Computer Science & Engineering

No. of Publication: 45

Journal Publication:

Type of Journal	DOI No.	Name of the Article	Name of the Author	ISSN No.	Year of Publication

Book Chapter Publication:

DOI No.	Name of the Article	Name of the Author	ISBN No.	Year of Publication
	Sustainable and Predictive Analytics Model	Sangita Bose	978-93-5967-752-1	2024
	Applications of Internet of Things (IoT) in Smart Cities	Sangita Bose	978-81-974233-0-7	2024
	The Evolution and Future of Generative AI: From Theory to Practice	Sangita Bose	978-81-974233-5-2	2024
	Application of Machine Learning in Smart Education Technology	Sangita Bose	978-81-974233-2-	2024

Other Publication Details (if any)

PATENT

Title of the invention	Application No	Publication Date
1. Blockchain Crowdfunding Platform	202431091485 A	29/11/2024
2. An intelligent gender identification method based on facial images using compound modules	202431091480 A	29/11/2024
3. Youtube Clone Video Library	202431093720 A	06/12/2024
4. Brain Tumor Prediction using Machine Learning	202431092982 A	06/12/2024
5. Cardiovascular Diseases Prediction using Multimodal Methodology in Deep Learning	202431093353 A	06/12/2024
6. Crime pattern analysis and rate prediction	202431093827 A	06/12/2024
7. Data analysis using machine learning on geo location data	202431094195 A	06/12/2024
8. Motion Maze-where Gestures Lead to Gaming Adventures	202431094152 A	06/12/2024
9. Parameter monitoring of incubator using IoT and Cloud	202431094855 A	13/12/2024
10. Face mask detection in real time	202431095248 A	13/12/2024
11. Virtual Trial Room	202431095278 A	13/12/2024
12. A Heart arrhythmia prediction using Artificial neural network	202431095820 A	13/12/2024
13. Heart disease prediction from symptom analysis using machine learning	202431095834 A	13/12/2024
14. Anti-fraud system for credit card transaction using machine learning & data science	202431096209 A	20/12/2024

15. Precision in Estimation of Crop Yields using Machine Learning	202431095882 A	20/12/2024
16. Analyzing customer bank churn using ensemble learning models	202431096223 A	20/12/2024
17. Plant disease detection application	202431096218 A	20/12/2024
18. Plant Leaf Disease Detection Using Deep Learning	202431095911 A	20/12/2024

Conference

1. S. Bose, P. Nag, S.Maji, P. Roy Choudhury, S. Chatterjee, Recent Advancement and Future Perspective of 6G Communication, In Proc of International Conference on Integrative Science and Engineering (ICISE) 2023,September 2023.
2. S. Bose, R. Beed, A Smart Farming Production Approach Using Drones and IoT after pandemic situations, In Proc of International Conference on Integrative Science and Engineering (ICISE) 2023,September 2023.
3. S. Bose, A. Dutta, Study and Development of Online Recommendation System for Healthcare Support, In Proc of International Conference on Integrative Science and Engineering (ICISE) 2023, September 2023.
4. S. Bose, J. Paul, Study and development of a Machine Learning-Based Intelligent Food Recommendation System, In Proc of International Conference on Integrative Science and Engineering (ICISE) 2023, September 2023.
5. A. Bose, R. Pal Das, S. Bose, Visualization of Figural Representation and Emotion Recognition Using Deep Learning, In Proc of International Conference on Integrative Science and Engineering (ICISE) 2023, September 2023.
6. S. Bose, Disease Prediction System using Machine Learning, In Proc of International Conference on Engineering Design and Computing (ICEDC)-2024, February 2024.
7. S. Bose, A. Mondal, Cognitive Transfer Learning: Leveraging Human-Like Learning Strategies for Machine Intelligence, In Proc of International Conference on Engineering Design and Computing (ICEDC)-2024, February 2024.
8. S. Bose, R. Mondal, Ephemeral Learning Machines: Adaptable Models for Rapidly Changing Data Environments, In Proc of International Conference on Engineering Design and Computing (ICEDC)-2024, February 2024.
9. S. Bose, M. Mandal, Meta-Reasoning Agents: Self-Aware Systems for Autonomous Decision-Making, In Proc of International Conference on Engineering Design and Computing (ICEDC)-2024, February 2024.
10. S. Bose, A. Chatterjee, Fashion Trend forecasting with machine learning: predicting consumer preferences for personalized recommendation Proc of International Conference on Engineering Design and Computing (ICEDC)-2024, February 2024.
11. S. Bose, S. Saha, Graph neural network for culinary pairing; enhancing flavor harmony in food recommendation, In Proc of International Conference on Engineering Design and Computing (ICEDC)-2024, February 2024.
12. S. Bose, N. Kumari, Eco aware Machine learning: Minimizing Environmental Footprints in Model training, In Proc of International Conference on Engineering Design and Computing (ICEDC)-2024, February 2024.
13. S. Bose, S. Pramanick, Quantum-inspired neural networks: A hybrid approach to enhance computational efficiency, In Proc of International Conference on Engineering Design and Computing (ICEDC)-2024, February 2024.

14. S. Bose, P. Gorai, Neuromyotonic Fusion: Integrating Symbolic Reasoning with Deep Learning Architectures, In Proc of International Conference on Engineering Design and Computing (ICEDC)-2024, February 2024.
15. S. Bose, S. Midya, Dynamic Object Recognition in Visual Search: A Real Time Machine Learning Framework, In Proc of International Conference on Engineering Design and Computing (ICEDC)-2024, February 2024.
16. S. Bose, S. Acharjya, Leaf Disease Detection using Machine Learning: A Review and Comparative Analysis, In Proc of International Conference on Engineering Design and Computing (ICEDC)-2024, February 2024.
17. S. Bose, S. Marick, Disease Prediction System using Machine Learning, In Proc of International Conference on Engineering Design and Computing (ICEDC)-2024, February 2024.
18. S. Bose, S. Ghosh, Face recognition-grounded attendance monitoring system for educational institution, In Proc of International Conference on Engineering Design and Computing (ICEDC)-2024, February 2024.
19. S. Bose, S. Chakraborty, S. Paul, S. Debnath, P. Chakraborty, Dynamic Pricing Strategies in E-commerce: A Reinforcement Learning Approach for Real-time Adaptation, In Proc of International Conference on Integrative Science and Engineering (ICISE) 2024, June 2024.
20. S. Bose, S. Marick, Ensemble Methods for Robust Food Recommendations: Aggregating Models for Improved Diversity and Accuracy, In Proc of International Conference on Integrative Science and Engineering (ICISE) 2024, June 2024.
21. S. Bose, S. Midya, Deep Style Embeddings for Fashion Recommendation: Bridging the Gap between Visual Aesthetics and User Preferences, In Proc of International Conference on Integrative Science and Engineering (ICISE) 2024, June 2024.
22. S. Bose, D. Mondal, S. Ghosh, T. Chowdhury, S. Guha, S. Saif, Neuroevolutionary Strategies: Combining Evolutionary Algorithms with Deep Learning for Model Design, In Proc of International Conference on Integrative Science and Engineering (ICISE) 2024, June 2024.
23. S. Bose, A. Biswas, S. Mondal, S. Das, J. Chakraborty, S. Bhattacharjee, Explainable AI in Culinary Arts: Interpretable Models for Transparent Food Recommendations, In Proc of International Conference on Integrative Science and Engineering (ICISE)2024, June 2024.