

### List of Publications

Sl. No.	Name of the Faculty	Name of Authors (as published)	Title of the Article	Name of the Journal	ISSN	Vol.No. / Issue No. and Page nos.	Year & Month of Publication	Indexing(SCI /WoS/Scopus/UGC-Care/NAAS/ICI/PubMed)	DOI	Academic Year
1	Subhra Swetanisha	Vidya Mohanty, Amiya Ranjan Panda , Dayal Kumar Behera, Subhra Swetanisha	Forecasting Urban Growth: Applying Prophet Model to Landsat NDBI Data for Sustainable City Development	Intelligent Data Engineering and Analytics	978-981-96-0138-7	vol 420.,pp 83-93	March 2025	Scopus	<a href="https://doi.org/10.1007/978-981-96-0139-4_7">https://doi.org/10.1007/978-981-96-0139-4_7</a>	2024-25
2	Abhaya Kumar Samal	Jitendra Pramanik, Singam Jayanthu, Abhaya Kumar Samal, Bijay Kumar Paikaray	A comprehensive systematic review of progressive applications of LoRa and LoRaWAN networks in the internet of things	International Journal of Internet Manufacturing and Services	1751-6048	Vol11.No.1 pp 1-22	Feb 2025	Scopus	<a href="https://doi.org/10.1504/IJIMS.2025.144349">https://doi.org/10.1504/IJIMS.2025.144349</a>	2024-25
3	Arpita Nibedita	Arpita Nibedita, Prabhat Kumar Sahu, Srikanta Patnaik, Kumar Surjeet Chaudhury	Advanced Deep Learning Techniques For Diabetic Retinopathy Detection Using CLAHEGAMMA-UNSHARP Hybrid Enhancement	Journal of Theoretical and Applied Information Technology	1992-8645	Vol.103,1	Jan 2025	Scopus		2024-25
4	Arpita Nibedita	Nrusingha Tripathy , Kumar Surjeet Chaudhury, Arpita Nibedita,Subrat Kumar Nayak, Manjushree Behera,Baidehi Jena	Ethereum Fraud Detection: A comparative of supervised learning approach	IEEE Xplore	979-8-3503-5509-3		December 2024	Scopus	<a href="https://doi.org/10.1109/ASPPCC62191.2024.10881143">https://doi.org/10.1109/ASPPCC62191.2024.10881143</a>	2024-25
5	Madhumita Panda	Tanushree Mohapatra, Madhumita Panda, Partha Pratim Sarangi	Enhancing Data Security in Telemedicine: Integration of Digital Watermarking and Cryptography Techniques	International Conference on Biologically Inspired Techniques in Many-Criteria Decision-Making Technologies	978-3-031-82705-1	pp. 153-161	December 2024	Scopus	<a href="https://doi.org/10.1007/978-3-031-82706-8_16">https://doi.org/10.1007/978-3-031-82706-8_16</a>	2024-25
6	Madhumita Panda	Anita Behera, Madhumita Panda, Kharabela Swain, Partha Pratim Sarangi	An Enhanced Skin Lesion Classification Technique Using Residual and Deep Convolutional Neural Networks	International Conference on Biologically Inspired Techniques in Many-Criteria Decision-Making Technologies	978-3-031-82705-1	pp.356-364	December 2024	Scopus	<a href="https://doi.org/10.1007/978-3-031-82706-8_36">https://doi.org/10.1007/978-3-031-82706-8_36</a>	2024-25
7	Subhra Swetanisha	Vidya Mohanty ,Dayal Kumar Behera, Amiya Ranjan Panda, Subhra Swetanisha	Performance Comparison of Machine Learning Classifiers for Change Detection on Satellite Data	IEEE Xplore	979-8-3315-1679-6	2024, pp. 1-6	December 2024	Scopus	<a href="https://doi.org/10.1109/CINE63708.2024.10882019">https://doi.org/10.1109/CINE63708.2024.10882019</a>	2024-25

8	Subhra Swetanisha	Ranjit Kumar Behera, Dayal Kumar Behera, Subhra Swetanisha, Ajay Kumar Jena	Performance Analysis of Machine Learning Models for Liver Disease Patient Classification	IEEE Xplore	979-8-3503-6917-5	2024, pp. 1-5	November 2024	Scopus	<a href="https://doi.org/10.1109/IC-SIT63503.2024.10862825">https://doi.org/10.1109/IC-SIT63503.2024.10862825</a>	2024-25
9	Sudhansu Ranjan Lenka	Sudhansu Ranjan Lenka, Sukant Kishoro Bisoy, Rojalina Priyadarshini, Kueh Lee Hui, Mangal Sain	Evolutionary-Based Multi-Objective and Conditional Generative Adversarial Networks for Credit Scoring	IEEE Access	2169-3536	Volume: 12, page. 158346 - 158366	October 2024	Scopus	<a href="https://doi.org/10.1109/ACCESS.2024.3486909">https://doi.org/10.1109/ACCESS.2024.3486909</a>	2024-25
10	Sudhansu Ranjan Lenka	Sudhansu Ranjan Lenka, Bikram Kesari Ratha	Financial Fraud Detection using Data Mining: A Survey	International Journal of Computer Science and Network Security	1738-7906	VOL.24 No.9,page 169-185	September 2024	Scopus	<a href="https://doi.org/10.22937/IJCSNS.2024.24.9.20">https://doi.org/10.22937/IJCSNS.2024.24.9.20</a>	2024-25
11	Abhaya Kumar Samal	Shaik Riyazbanu, Swarna Prabha Jena, Jitendra Pramanik, Bijay Kumar Paikaray, Abhaya Kumar Sama	Implementing swarm intelligence for image enhancement: a comparative study	International Journal of Reasoning-based Intelligent Systems	1755-0556	Volume 16 Issue 2, pp 160-169	May 2024	Scopus	<a href="https://doi.org/10.1504/IJRS.2024.138629">https://doi.org/10.1504/IJRS.2024.138629</a>	2023-24
12	Madhumita Panda	Swagatika Mohapatra, Partha Pratim Sarangi, Nikhil Parihar, Madhumita Panda, Bhabani Shankar Prasad Mishra, Biswajit Sahoo	MLP-FOX: a metaheuristic approach-based training multilayer perceptron for data classification	IEEE Xplore	979-8-3503-6178-0	Vol 1, pp 1-6	March 2024	Scopus	<a href="https://doi.org/10.1109/IC-CGU58078.2024.10530732">https://doi.org/10.1109/IC-CGU58078.2024.10530732</a>	2023-24
13	Sudhansu Ranjan Lenka	Sudhansu Ranjan Lenka, Sukant Kishoro Bisoy, Rosalina Priyadarshini	Multiple optimized ensemble learning for high-dimensional imbalanced credit scoring datasets	Knowledge and Information Systems	0219-1377	Vol.66, pages 5429-5457	23 <sup>rd</sup> May 2024	Scopus	<a href="https://doi.org/10.1007/s10115-024-02129-z">https://doi.org/10.1007/s10115-024-02129-z</a>	2023-24
14	Subhra Swetanisha	Shreela Dash Dayal Kumar Behera, Subhra Swetanisha Madhabananda Das	High Payload Image Steganography using DNN Classification and Adaptive Difference Expansion	Wireless Personal Communications	2693-5015	Vol.134, Pages 1349-1366	09 th April 2024	SCIE/Scopus	<a href="https://doi.org/10.21203/rs.3.rs-1349184/v1">https://doi.org/10.21203/rs.3.rs-1349184/v1</a>	2023-24
15	Abhaya Kumar Samal	Jitendra Pramanik, Singam Jayanthu, Abhaya Kumar Samal,	Applications of IoT Framework for Underground Mine Safety: Limitations and Solutions	Journal of Mining and Environment	2251-8592	Vol. 15, No. 3, 2024, 923-942	Jan 2024	Scopus	DOI: 10.22044/jme.2024.13868.2584	2023-24
16	Abhaya Kumar Samal	Jitendra Pramanik, Somalika Pradhan Abhaya Kumar Samal	Artificial neural network-based mechanical properties prediction of cellulose polyvinyl alcohol bio composite	Materials today	2214-7853	<a href="#">Volume 115</a> , 2024, Pages 203-208	Jan 2024	Scopus	<a href="https://doi.org/10.1016/j.matpr.2023.07.220">https://doi.org/10.1016/j.matpr.2023.07.220</a>	2023-24
17	Subhra Swetanisha	Pulak Sahoo, Dayal Kumar Behera, Subhra Swetanisha, JR Mohanty	Software Development Effort Estimation Using UML Activity Models with Regression Analysis	Lecture Notes in Electrical Engineering	978-981-97-0767-6	volume 1156, Pages 243-253	Oct 2023	Scopus	<a href="https://doi.org/10.1007/978-981-97-0767-6_21">https://doi.org/10.1007/978-981-97-0767-6_21</a>	2023-24

18	Arpita Nibedita	Saswati Chatterjee, Suneeta Satpathy, Arpita Nibedita	Digital Investigation of Network Traffic Using Machine Learning	EAI Endorsed Transactions on Scalable Information Systems	2032-9407	Vol.11, No. 1, 2024	03 rd Oct 2023	Scopus	<a href="https://doi.org/10.4108/eetsis.4055">https://doi.org/10.4108/eetsis.4055</a>	2023-24
19	Sudhansu Ranjan Lenka	Sudhansu Ranjan Lenka, Sukant Kishoro Bisoy, Rosalina Priyadarshini	A-RDBOTE: an improved oversampling technique for imbalanced credit-scoring datasets	Risk Management	1743-4637	Vol. 25, No 23, 2023	19 <sup>th</sup> Aug 2023	Scopus	<a href="https://doi.org/10.1057/s41283-023-00128-y">https://doi.org/10.1057/s41283-023-00128-y</a>	2023-24
20	Abhaya Kumar Samal	Swarna Prabha Jena Bijay Paikaray, Jitendra Pramanik, Rishi Thapa Abhaya Kumar Samal	Classifications on wine informatics using PCA, LDA, and supervised machine learning techniques	International Journal of Work Innovation	2043-9040	Vol. 4, No. 1, 2023	Jan-2023	Scopus	<a href="http://dx.doi.org/10.1504/IJWI.2023.130444">http://dx.doi.org/10.1504/IJWI.2023.130444</a>	2022-23
21	Siba Prasad Pati	Siba Prasad Pati, Rasmita Rautray	SMATS: Single and Multi Automatic Text Summarization	Karbala International Journal of Modern Science	2405-609X	Vol.9, Issue 1, 2023	Jan-2023	Scopus	<a href="https://doi.org/10.33640/2405-609X.3281">https://doi.org/10.33640/2405-609X.3281</a>	2022-23
22	Abhaya Kumar Samal	Bijay Paikaray, Jitendra Pramanik, Abhaya Kumar Samal	An Introductory Approach to Spectral Image Analysis Using Machine Learning Classifiers	IEEE Xplore	2473-2001	Page nos. 198-201	Dec-2022	Scopus	doi: 10.1109/ICIDeA53933.2022.9970023.	2022-23
23	Abhaya Kumar Samal	Jitendra Pramanik, Bijay Paikaray, Singam Jayanthu, Abhaya Kumar Samal	Machine Learning Approach to Roof Fall Risks Classification in UG Mines using Adaboost and XGboost Incorporating Transfer Learning Technique	International Journal of Reasoning-based Intelligent Systems	1755-0556		2022	Scopus	DOI: <a href="https://doi.org/10.1504/IJRIS.2023.10052334">10.1504/IJRIS.2023.10052334</a>	2022-23
24	Siba Prasad Prasad	Siba Prasad Prasad, Rasmita Rautray	Single document extractive text summarization using cuckoo search algorithm	JOURNAL OF INFORMATION & OPTIMIZATION SCIENCES	2169-0103	Volume: 43 Issue: 5 Page: 1089-1097	Oct-22	WoS	10.1080/02522667.2022.2094547	2022-23
25	Subhra Swetanisha	Amiya ranjan Panda, Dayal Kumar Behera, Shreella Dash	Monitoring Land Use and Land Cover Change using Ensemble Machine Learning Classifiers	Journal of Theoretical and Applied Information Technology	ISSN: 1992-8645	Vol.100. No 18	30th September 2022	Scopus	-	2022-23
26	Sudhansu Ranjan Lenka	Sudhansu R. Lenka , Sukant Kishoro Bisoy, Rojalina Priyadarshini, and Mangal Sain	Empirical Analysis of Ensemble Learning for Imbalanced Credit Scoring Datasets: A Systematic Review	Wireless Communications and Mobile Computing	1530-8677	Vol No.2022 , Issue No. , Page nos 100-104	June-2022	SCIE	<a href="http://dx.doi.org/10.1155/2022/6584352">http://dx.doi.org/10.1155/2022/6584352</a>	2022-23
27	Arpita Nibedita	Kumar Surjeet Chaudhury, Sabyasachi Pattnaik, Ashanta Ranjan Routray, Arpita Nibedita	Improved Ant Colony Optimization based Task Scheduling and Load Balancing Algorithm for Cloud Computing Infrastructure	Design Engineering (Toronto)	0011-9342	Vol No.2021 , Issue No.7 , Page nos 1121-1138	June-2022	Scopus		2022-23

28	Biswaranjan Nayak	Sudhansu Ranjan Lenka, Biswaranjan Nayak	Representative-based cluster undersampling technique for imbalanced credit scoring dataset	Advances in Intelligent Systems and Computing book series	2194-5365	Vol No.1424 , Issue No. , Page nos 33-56	May-2022	Scopus	10.1007/978-981-19-047-2_11	2021-22
29	Abhaya Kumar Samal	Narayan Patra, Jitendra Pramanik, Abhaya Kumar Samal, Subhendu Kumar Pani	Machine Learning Application in Primitive Diabetes Prediction—A Case of Ensemble Learning	Lecture Notes in Networks and Systems	2367-3389	Vol No. 375, Page nos. 783–790	May-2022	Scopus	<a href="https://doi.org/10.1007/978-981-16-8763-1_64">https://doi.org/10.1007/978-981-16-8763-1_64</a>	2021-22
30	Sudhansu Ranjan Lenka	Sudhansu Ranjan Lenka, Biswaranjan Nayak	Representative-based cluster undersampling technique for imbalanced credit scoring dataset	Advances in Intelligent Systems and Computing book series	2194-5365	Vol No.1424 , Issue No. , Page nos 33-56	May-2022	Scopus	10.1007/978-981-19-047-2_11	2021-22
31	Subhra Swetanisha	Subhra Swetanisha , Amiya Ranjan Panda , Dayal Kumar Behera	Land Use/Land Cover Classification using Machine Learning Models	International Journal of Electrical and Computer Engineering(IJECE)	2088-8708	Vol. 12, No. 2, page. 2040-2046	Apr-2022	Scopus	10.11591/ijece.v12i2.pp2040-2046	2021-22
32	Subhra Swetanisha	Dayal Kumar Behera, Madhabananda Das, Subhra Swetanisha, Janmejy Nayak	XGBoost regression model-based electricity tariff plan recommendation in smart grid environment	International Journal of Innovative computing and Application	1751-648X	Vol.13, Issue 2, Page.79-87	Jan-2022	Scopus	<a href="https://doi.org/10.1504/ijica.2022.123223">https://doi.org/10.1504/ijica.2022.123223</a>	2021-22
33	Subhra Swetanisha	Subhra Swetanisha, Amiya Ranjan Panda and Dayal Kumar Behera	Change Detection using Machine Learning Models: A Case Study on the Puri District of Odisha, India	IEEE Xplore	978-1-6654-1665-8	Vol No. , Issue No. , Page nos 100-104	December-2021	Scopus	10.1109/OIT53463.2021.00030	2021-22
34	Abhaya Kumar Samal	Surendra Kumar Dogra, Singam Jayanthu, Abhaya Kumar Samal, Jitendra Pramanik, Subhendu Kumar Pani	Machine Learning Approach to Implement Mine Fire Predicting for Underground Coal Mines	IEEE Xplore, 2nd Global Conference for Advancement in Technology (GCAT)	2473-2001	Vol. 1, Page nos. 01-04	November-2021	Scopus	doi: 10.1109/GCAT52182.2021.9587499.	2021-22
35	Abhaya Kumar Samal	Jitendra Pramanik, Abhaya Kumar Samal, Subhendu Kumar Pani, Chinmay Chakraborty	Elementary framework for an IoT based diverse ambient air quality monitoring system	Multimedia Tools and Applications	1573-7721	Vol No. 81, Issue No. 26, Page nos 36983-37005	September-2021	SCIE, Scopus	<a href="https://doi.org/10.1007/s11042-021-11285-1">https://doi.org/10.1007/s11042-021-11285-1</a>	2021-22
36	Sudhansu Ranjan Lenka	S. R. Lenka, M. Pant, R. K. Barik, S. S. Patra, H. Dubey	Investigation into the efficacy of various machine learning techniques for mitigation in credit card fraud detection	Evolution in Computational Intelligence	978-981-15-5788-0	Vol No.1176 , Issue No. , Page nos 255-264	September-2021	Scopus	10.1007/978-981-15-5788-0_24	2021-22

37	Subhra Swetanisha	Dayal Kumar Behera, Madhabananda Das, Subhra Swetanisha, P. K. Sethy	Hybrid model for movie recommendation system using content K-nearest neighbors and restricted boltzmann machine	Indonesian Journal of Electrical Engineering and Computer Science	2502-4752	Vol No. 23, Issue No. 1, Page nos 445-452	August-2021	Scopus	<a href="http://doi.org/10.11591/ijeecs.v23.i1.pp445-452">http://doi.org/10.11591/ijeecs.v23.i1.pp445-452</a>	2021-22
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