

**CONFERENCE PROCEEDINGS**

Sl. No.	Faculty Name	Co-Authors	Article/Paper Title	Proceedings Name	Publisher	Page No.	Year(Month)	ISBN/ISSN No.	DOI	Conference Name	City
1	Ahana Patra	Anriban Dey	A Novel Approach to Implement an Automated Image Captioning Model Using Deep CNN RNN and LSTM Technique	Proceedings of 4th International Conference on Computer Networks, Big Data and IoT (ICCB-2021).	springer	323-336	2021 (Dec)			4th International Conference on Computer Networks, Big Data and IoT (ICCB-2021).	Tamilnadu
2	Soumyadip Dhar	Hiranmoy Roy, Reema Hazra, Riya Dey, Riya Kirtania, and Sumedha Sen	Artificial Face Sketch Drawing Categorization	Proceedings of International Conference on Advanced Computational and Communication Paradigms (ICACCP), 2021	Springer, Singapore	547-559	2021 (Dec)	978-981-16-4369-9	<a href="https://doi.org/10.1007/978-981-16-4369-9_53">https://doi.org/10.1007/978-981-16-4369-9_53</a>	International Conference on Advanced Computational and Communication Paradigms (ICACCP), 2021	Sikkim
3	Abhijit Das	Anirbit Sengupta, Sukhpal Singh Gill, Debashis De	Mobile Edge Computing based Internet of Agricultural Things: A Survey	Proceedings of 29th European Biomass Conference and Exhibition (EUBCE)	Springer	415-441	2021 (Nov)	978-3-030-69893-5	10.1007/978-3-030-69893-5_17	29th European Biomass Conference and Exhibition (EUBCE)	Egypt
4	Ranjan Jana	Imon Mukherjee	Epileptic Seizure Prediction from Raw EEG Signal Using Convolutional Neural Network	Bajpai M.K., Kumar Singh K., Giakos G. (eds) Machine Vision and Augmented Intelligence—Theory and Applications. Lecture Notes in Electrical Engineering.	Springer, Singapore	235-244	2021 (Nov)	978-981-16-5078-9	<a href="https://doi.org/10.1007/978-981-16-5078-9_20">https://doi.org/10.1007/978-981-16-5078-9_20</a>	Bajpai M.K., Kumar Singh K., Giakos G. (eds) Machine Vision and Augmented Intelligence—Theory and Applications. Lecture Notes in Electrical Engineering.	Jabalpur
5	Dipan Bandyopadhyay	Apu Mistry, Joyeeta Basu Pal	Study on enhancement of optical output of InxGa1-xN/ GaN parabolic quantum well LEDs, varying indium compositions and well widths	Proceedings of International Conference on Industrial Instrumentation and Control	Springer Singapore	343-349	2021 (August)	ISSN 1876-1100	DOI: 10.1007/978-981-16-7011-4_34	International Conference on Industrial Instrumentation and Control (ICI2C 2021)	Kolkata
6	Anirban Mukherjee	Prapty Chanda, Nilorni Das, Dishani Kar, Arindam Mondal	Interactive and Intelligent Tutoring of Graphical Solutions	Proceedings of Research and Applications in Artificial Intelligence	Springer, Singapore	335-344	2021 (June)	978-981-16-1543-6	<a href="https://doi.org/10.1007/978-981-16-1543-6_33">https://doi.org/10.1007/978-981-16-1543-6_33</a>	Research and Applications in Artificial Intelligence 2020	Kolkata
7	Anirban Mukherjee	Susmita Chaki, Subhajit Chatterjee	Emotion Recognition from Feature Mapping Between Two Different Lobes of Human Brain Using EEG	Proceedings of Research and Applications in Artificial Intelligence	Springer, Singapore	203-211	2021 (June)	978-981-16-1543-6	<a href="https://doi.org/10.1007/978-981-16-1543-6_19">https://doi.org/10.1007/978-981-16-1543-6_19</a>	Research and Applications in Artificial Intelligence 2020	Kolkata
8	Indrajit Pan	Chandra Patro	Decision Tree-Based Classification Model to Predict Student Employability	Proceedings of Research and Applications in Artificial Intelligence	Springer, Singapore	327-333	2021 (June)	978-981-16-1543-6	<a href="https://doi.org/10.1007/978-981-16-1543-6_32">https://doi.org/10.1007/978-981-16-1543-6_32</a>	International Conference on Research and Applications in Artificial Intelligence (RAAI), 2020	Kolkata
9	Hiranmoy Roy	Soumyadip Dhar, Rajib Saha, Parama Bagchi, and Bishal Ghosh	Nuclei Image Boundary Detection Based on Interval Type-2 Fuzzy Set and Bat Algorithm	Proceedings of International Conference on Research and Applications in Artificial Intelligence (RAAI), 2020	Springer, Singapore	121-129	2021 (June)	978-981-16-1543-6	<a href="https://doi.org/10.1007/978-981-16-1543-6_11">https://doi.org/10.1007/978-981-16-1543-6_11</a>	International Conference on Research and Applications in Artificial Intelligence (RAAI), 2020	Kolkata
10	Soumyadip Dhar	Hiranmoy Roy, Rajib Saha, Parama Bagchi, and Bishal Ghosh	Nuclei Image Boundary Detection Based on Interval Type-2 Fuzzy Set and Bat Algorithm	Proceedings of International Conference on Research and Applications in Artificial Intelligence (RAAI), 2020	Springer, Singapore	121-129	2021 (June)	978-981-16-1543-6	<a href="https://doi.org/10.1007/978-981-16-1543-6_11">https://doi.org/10.1007/978-981-16-1543-6_11</a>	International Conference on Research and Applications in Artificial Intelligence (RAAI), 2020	Kolkata
11	Amit Khan	Dipankar Majumdar, Bikromaditya Mondal	Machine Learning Approach to Sentiment Analysis from Movie Reviews Using Word2Vec	Proceedings of Research and Applications in Artificial Intelligence	Springer, Singapore	131-140	2021 (June)	978-981-16-1543-6	<a href="https://doi.org/10.1007/978-981-16-1543-6_12">https://doi.org/10.1007/978-981-16-1543-6_12</a>	Research and Applications in Artificial Intelligence (RAAI 2020)	Kolkata

**CONFERENCE PROCEEDINGS**

Sl. No.	Faculty Name	Co-Authors	Article/Paper Title	Proceedings Name	Publisher	Page No.	Year(Month)	ISBN/ISSN No.	DOI	Conference Name	City
12	Sudarsan Biswas	Sourav Debnath Sujit Chakraborty	Prediction and Analysis on COVID-19 Using Positive and Negative Association Rule Mining	Proceedings of Research and Applications in Artificial Intelligence (RAAI 2020)	IEEE	1-11	2021 (June)	978-981-16-1543-6	<a href="https://doi.org/10.1007/978-981-16-1543-6_1">https://doi.org/10.1007/978-981-16-1543-6_1</a>	Research and Applications in Artificial Intelligence (RAAI 2020)	Kolkata
13	Indronil Mazumder	Reshma Kar	Clustering as a Brain-Network Detection Tool for Mental Imagery Identification	Proceedings of Research and Applications in Artificial Intelligence (RAAI 2020)	Springer, Singapore	87-99	2021 (June)	978-981-16-1543-6	<a href="https://doi.org/10.1007/978-981-16-1543-6_8">https://doi.org/10.1007/978-981-16-1543-6_8</a>	Research and Applications in Artificial Intelligence 2020 (RAAI 2020)	Kolkata
14	Hiranmoy Roy	Soumyadip Dhar, Reema Hazra, Rija Dey, Riya Kirtania, and Sumedha Sen	Artificial Face Sketch Drawing Categorization	Proceedings of International Conference on Advanced Computational and Communication Paradigms (ICACCP), 2021	Springer, Singapore	547-559	2021 (Jan)	978-981-16-4369-9	<a href="https://doi.org/10.1007/978-981-16-4369-9_53">https://doi.org/10.1007/978-981-16-4369-9_53</a>	International Conference on Advanced Computational and Communication Paradigms (ICACCP), 2021	Sikkim
15	Abhijit Das	Ankita Das, Biswajit Debnath, Anirbit Sengupta	Utilisation of Lignocellulosic Biomass for Sustainable Smart Village in India	Proceedings of 5th Green and Sustainable Chemistry Conference, Dresden, Germany	-	-	2020 (Nov)	-	10.13140/RG.2.2.10818.20169	5th Green and Sustainable Chemistry Conference, Dresden, Germany	Germany
16	Abhijit Das	Biswajit Debnath, Ankita Das, Sanchari Das	Studies on Security Threats in Waste Mobile Phone Recycling Supply Chain in India	Proceedings of 2020 IEEE Calcutta Conference (CALCON)	IEEE	431-434	2020 (Feb)	Electronic ISBN:978-1-7281-4283-8	10.1109/CALCON49167.2020.9106531	2020 IEEE Calcutta Conference (CALCON)	Kolkata
17	Abhijit Das	A.Chatterjee	Temporal Sentiment Analysis of the Data from Social Media to Early Detect Cyberbullicide Ideation of a Victim by using Graph based Approach and Datamining Tools	Proceedings of Doctoral Symposium on Intelligence Enabled Research, (DoSIER 2019)	Springer	107-112	2020 (Jan)	978-981-15-2021-1	DOI:10.1007/978-981-15-2021-1_12	Doctoral Symposium on Intelligence Enabled Research, (DoSIER 2019)	Kolkata
18	Abhijit Das	Ankita Das, N.Modak	Towards Sustainable Indian Smart Cities: An AHP Study	Proceedings of Doctoral Symposium on Intelligence Enabled Research, (DoSIER 2019)	Springer	97-106	2020 (Jan)	Electronic ISSN 2194-5365	DOI:10.1007/978-981-15-2021-1_11	Doctoral Symposium on Intelligence Enabled Research, (DoSIER 2019)	Kolkata
19	Hiranmoy Roy	Priya Purkait, Debotosh Bhattacharjee	Local Shearlet Energy Gammodian Pattern (LSEGP): A Scale Space Binary Shape Descriptor for Texture Classification	Proceedings of First Doctoral Symposium on Intelligence Enabled Research (DoSIER), 2019	Springer, Singapore	123-131	2020 (Jan)	978-981-15-2021-1	10.1007/978-981-15-2021-1_14	First Doctoral Symposium on Intelligence Enabled Research (DoSIER), 2019	Kolkata
20	Soumyadip Dhar	Malay K Kundu	Multi-class Image Segmentation Using Theory of Weak String Energy and Fuzzy Set	Proceedings of Doctoral Symposium on Intelligence Enabled Research (DoSIER 2019)	Springer, Singapore	33-40	2020 (Jan)	978-981-15-2021-1	10.1007/978-981-15-2021-1_14	First Doctoral Symposium on Intelligence Enabled Research (DoSIER), 2019	Kolkata
21	Ranjan Jana	Siddhartha Bhattacharyya, Swagatam Das	Patient-specific seizure prediction using the convolutional neural networks	Proceedings of Advances in Intelligent Systems and Computing	Springer, Singapore	51-60	2020 (Jan)	978-981-15-2021-1	<a href="https://doi.org/10.1007/978-981-15-2021-1_7">https://doi.org/10.1007/978-981-15-2021-1_7</a>	Advances in Intelligent Systems and Computing	Kolkata
22	Abhijit Das	Ankita Das, Biswajit Debnath, Nipu Modak, Debasish De	E-waste Inventorisation for Sustainable Smart Cities in India: A Cloud-based Framework	Proceedings of 2020 IEEE International Women in Engineering (WIE) Conference on Electrical and Computer Engineering (WIECON-ECE)	IEEE	332-335	2020 (Dec)	Electronic ISBN:978-1-6654-1917-8	10.1109/WIECON-ECE52138.2020.9397960	2020 IEEE International Women in Engineering (WIE) Conference on Electrical and Computer Engineering (WIECON-ECE)	Bhubaneswar

**CONFERENCE PROCEEDINGS**

Sl. No.	Faculty Name	Co-Authors	Article/Paper Title	Proceedings Name	Publisher	Page No.	Year(Month)	ISBN/ISSN No.	DOI	Conference Name	City
23	Hiranmoy Roy	Soumyadip Dhar, Arunarka Mukhopadhyay, Antu Kundu, Arunava Ghosh, Soham Roy	Interpretable Underwater Image Enhancement based on Convolutional Neural Network	Proceedings of 2020 Fifth International Conference on Research in Computational Intelligence and Communication Networks (ICRCICN)	IEEE	6-11	2020 (Dec)	Electronic ISBN:978-1-7281-8818-8	10.1109/ICRCICN50933.2020.9296201	2020 Fifth International Conference on Research in Computational Intelligence and Communication Networks (ICRCICN)	Bangalore
24	Hiranmoy Roy	Soumyadip Dhar, Malay K. Kundu	Nondestructive Testing Image Segmentation based on Neutrosophic Set and Bat Algorithm	Proceedings of 2020 Fifth International Conference on Research in Computational Intelligence and Communication Networks (ICRCICN)	IEEE	93-98	2020 (Dec)	Electronic ISBN:978-1-7281-8818-8	10.1109/ICRCICN50933.2020.9295965	2020 Fifth International Conference on Research in Computational Intelligence and Communication Networks (ICRCICN)	Bangalore
25	Hiranmoy Roy	Subhadeep Koley, Soumyadip Dhar, Debotosh Bhattacharjee	Edge Detection based on Local-Friis-Radiation-Magnitude-Ratio (LFRMR)	Proceedings of 2020 Fifth International Conference on Research in Computational Intelligence and Communication Networks (ICRCICN)	IEEE	99-104	2020 (Dec)	Electronic ISBN:978-1-7281-8818-8	10.1109/ICRCICN50933.2020.9295964	2020 Fifth International Conference on Research in Computational Intelligence and Communication Networks (ICRCICN)	Bangalore
26	Soumyadip Dhar	Subhadeep Koley, Hiranmoy Roy, Debotosh Bhattacharjee	Edge Detection based on Local-Friis-Radiation-Magnitude-Ratio (LFRMR)	Proceedings of 2020 Fifth International Conference on Research in Computational Intelligence and Communication Networks (ICRCICN)	IEEE	99-104	2020 (Dec)	Electronic ISBN:978-1-7281-8818-8	10.1109/ICRCICN50933.2020.9295964	2020 Fifth International Conference on Research in Computational Intelligence and Communication Networks (ICRCICN)	Bangalore
27	Soumyadip Dhar	Malay K. Kundu, Hiranmoy Roy	Nondestructive Testing Image Segmentation based on Neutrosophic Set and Bat Algorithm	Proceedings of 2020 Fifth International Conference on Research in Computational Intelligence and Communication Networks (ICRCICN)	IEEE	93-98	2020 (Dec)	Electronic ISBN:978-1-7281-8818-8	10.1109/ICRCICN50933.2020.9295965	2020 Fifth International Conference on Research in Computational Intelligence and Communication Networks (ICRCICN)	Bangalore
28	Soumyadip Dhar	Hiranmoy Roy, Arunarka Mukhopadhyay, Antu Kundu, Arunava Ghosh, Soham Roy	Interpretable Underwater Image Enhancement based on Convolutional Neural Network	Proceedings of 2020 Fifth International Conference on Research in Computational Intelligence and Communication Networks (ICRCICN)	IEEE	6-11	2020 (Dec)	Electronic ISBN:978-1-7281-8818-8	10.1109/ICRCICN50933.2020.9296201	2020 Fifth International Conference on Research in Computational Intelligence and Communication Networks (ICRCICN)	Bangalore
29	Ranjan Jana	Siddhartha Bhattacharyya, Swagatam Das	Epileptic seizure prediction from EEG signals using DenseNet	Proceedings of 2019 IEEE Symposium Series on Computational Intelligence (SSCI)	IEEE	604-609	2019 (Dec)	Electronic ISBN:978-1-7281-2485-8	10.1109/SSCI44817.2019.9003059	2019 IEEE Symposium Series on Computational Intelligence (SSCI)	China
30	Abhijit Das	Anirbit Sengupta, MD Tausif Mallick	A Cost Effective Design and Implementation of Arduino Based Sign Language Interpreter	Proceedings of 2019 Devices for Integrated Circuit (DevIC)	IEEE	12-15	2019 (Aug)	Electronic ISBN:978-1-5386-6722-4	10.1109/DEVIC.2019.8783574	2019 Devices for Integrated Circuit (DevIC)	Kalyani



**CONFERENCE PROCEEDINGS**

Sl. No.	Faculty Name	Co-Authors	Article/Paper Title	Proceedings Name	Publisher	Page No.	Year(Month)	ISBN/ISSN No.	DOI	Conference Name	City
31	Abhijit Das	Biswajit Debnath, Sanchari Das, Ankita Das,	Smart Devices for Smart Cities in India Exploring Security Vulnerabilities of E-Waste Management	Proceedings of 2019 IEEE SmartWorld, Ubiquitous Intelligence & Computing, Advanced & Trusted Computed, Scalable Computing & Communications, Cloud & Big Data Computing, Internet of People and Smart City Innovation	SSRN	1-6	2019 (Aug)	-	<a href="https://ssrn.com/abstract=3443920">https://ssrn.com/abstract=3443920</a>	2019 IEEE SmartWorld, Ubiquitous Intelligence & Computing, Advanced & Trusted Computed, Scalable Computing & Communications, Cloud & Big Data Computing, Internet of People and Smart City Innovation	Kolkata
32	Abantika Chowdhury	Uma Bhattacharya, Rituparna Chaki	Dynamic scheduling of traffic signal (DSTS) management in urban area network	Proceeding of 18th International Conference on Computer Information Systems and Industrial Management(CISIM 2019)	Springer, Singapore	132-143	2019 (Aug)	978-3-030-28957-7	<a href="https://doi.org/10.1007/978-3-030-28957-7_12">https://doi.org/10.1007/978-3-030-28957-7_12</a>	18th International Conference on Computer Information Systems and Industrial Management(CISIM 2019)	Belgrade, Serbia
33	Shyantani Maiti	Pralay Mitra	Protein Design Assisted Residue Conservation and Functional Stability Analysis for Bacterial Chemotaxis.	Proceedings of IEEE International Conference on Bioinformatics and Systems Biology 2018 (BSB IIIIT Allahabad),	IEEE	32-35	2019 (July)	Electronic ISBN:978-1-5386-6434-6	10.1109/BSB.2018.8770546	IEEE International Conference on Bioinformatics and Systems Biology 2018 (BSB IIIIT Allahabad),	Allahabad