JIS COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
PUBLICATIONS OF FACULTY MEMBERS
Academic Year-2015-16, 2016-17, 2017-18, 2018-19 and 2019-20

Academic year-2015-2016			
Sl	Title of the paper	Author	Publication Details/Vol.No./ISSN No./Page No.
1.	Genotype based classification of Crohn's disease using various BPN training algorithms	Sk. Saddam and D. P.Singh	International Journal of Artificial Intelligence and Knowledge Discovery, Vol. 5 No. 2, pp.22-29, July, 2015, Print ISSN: 2231-2021 e-ISSN: 2231-0312.
2.	Implementation of H.264/MPEG-4 AVC for Compound Image Compression Using Histogram based Block Classification Scheme	Dr. Kumar, A. Aziz, S. Sahana, P. Thapliyal	International Journal of Computer Science and Information Technologies, Vol. 6 (4) , 2015, 3479-3488 ISSN : 0975-9646
3.	Tamper detection of electrocardiographic signal using watermarked bio-hash code in wireless cardiology	Nilanjan Dey, Monalisa Dey, Sainik Kumar Mahata, Achintya Das, Sheli Sinha Chaudhuri	International Journal of Signal and Imaging Systems Engineering, (Inderscience Publications).
4.	Study on digital approach to mitigate the vulnerabilities in traditional supply chain model through Supply Chain Management with the realm of E-commerce and RFID Technology	Sumanta chatterjee, Archisman Chakraborty	2nd International conference on microelectronics, Circuits and Systems (Micro-2015). International Association of Science, Technology and Management. July, 11th -12th, 2015, Kolkata. ISBN NO: 81-85824-46-0.
5.	Identification and Classification of Emotional Key Phrases from Psycho-logical Texts	Apurba Paul, Dipankar Das	Proceedings of the ACL 2015 Workshop on Novel Computational Approaches to Keyphrase Extraction, July, 2015, Association for Computational Linguistics, DOI: 10.18653/v1/W15-3607
6.	Cognitive Mechatronic Fire Extinguishing Vehicle with Obstacle Detection and Bypass" Communications on Applied Electronics (CAE)	Sumanta Chatterjee,Apurba Paul, Ritaban pal,Souvik Banerjee	Foundation of Computer Science FCS, New York, USA Volume 4 – No.8, April 2016, ISSN : 2394-4714
7.	An effort to select a preferable meta heuristic model for knowledge discovery in Data mining	D. P. Singh, J. P. Choudhury and M. De	International Journal of mataheuristics, Vol. 4 No. 1, pp.57-90, September, 2015. 1755-2184, ISSN print: 1755-2176 DBLP Index.

8.	A modified ACO for classification on different data set	D. P. Singh, J. P. Choudhury and M. De	International Journal of Computer Application, Vol.123, No. 6, pp-39-52, August 2015, ISSN 0975-8887.
9.	CLR: A Novel Approach for Sparse Placement of Regenerators and Routing in Translucent Optical Networks	Ira Nath, Monish Chatterjee, Uma Bhattacharya	Twelfth International Conference on Wireless and Optical Communications Networks WOCN2015. Engineering Index (EI) and EI Compendex, ISBN: 978-0-692-36963-0 and ISSN: provided by Library of congress in USA for distribution [IEEEXPLORE]
10.	An Enhanced Cloud Network Load Balancing Approach Using Hierarchical Search Optimization Technique	D. Sarddar, R. Bose, S. Sahana	International Journal of Hybrid Information Technology Vol.8, No.3 (2015), pp.9-20 ISSN: 1738-9968http://dx.doi.org/10.14257/ijhit.2015.8.3.02
11.	A Novel Approach on Weight Based Optimized Routing for Mobile Cloud Computing	D. Sarddar, R. Bose, S. Sahana	Brazilian Journal of Science and Technology DOI:10.1186/s40552-015-0008-xpublished on 27 June 2015(Spinger)
12.	An Energy Efficient Dynamic Schedule based Server LoadBalancing Approach for Cloud Data Center	R. Bose, S. Sahana,D. Sarddar	International Journal of Future Generation Communication and NetworkingISSN: 2233-7857 Vol. 8, No. 3 (2015), pp. 123-136http://dx.doi.org/10.14257/ijfgcn.2015.8.3.12
13.	An adaptive cloud service observation using billboard manager cloud monitoring tool	R. Bose, S. Sahana,D. Sarddar	International Journal of Software Engineering and Its Applications, ISSN: 1738-9984Vol.9,No.7(2015),pp.159-170 http://dx.doi.org/10.14257/ijseia.2015.9.7.17 (Scopus indexed)
14.	An Enhanced Storage Management Scheme with Search Optimization for Cloud Data Center	R. Bose, S. Sahana,D. Sarddar	International Journal of Applied Engineering Research ISSN 0973-4562 Volume 10, Number 12 (2015) pp. 32141-32150(Scopus indexed)
15.	A Hybrid Approach to Statistical Post Editing	Santanu Pal, Sainik Mahata, Dipankar Das and Josef van Genabith	ICON 2015 December,15.
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19.	A Novel Approach for Cryptography using Modified Substitution Cipher and Triangulation	Sainik Kumar Mahata and Monalisa Dey	International Research Journal of Computer Science (IRJCS) Issue 04, Volume 3 (April 2016), ISSN: 2393-9842, pp.26-32, (Google Scholar and Citeseer indexed)
20.	Cognitive Mechatronic Fire Extinguishing Vehicle with Obstacle Detection and Bypass	Sumanta Chatterjee, Apurba Paul, Ritaban Paul, Souvik Banerjee	Applied Electronics (CAE) – ISSN : 2394-4714 Foundation of Computer Science FCS, New York, USA Volume 4 – No.8, April 2016
21.	Advent of information technology in the world of tourism	Iyer, V.R., Dey, N., Chakraborty, S.	Emerging Innovative Marketing Strategies in the Tourism IndustryAugust 03, 2015, Pages 44-53 (Scopus Indexed)
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24.	Analysis of performance of MIMO Ad hoc Network in terms of information efficiency	Chowdhuri, S., Dey, N., Chakraborty, S., Baneerjee, P.K.	Advances in Intelligent Systems and ComputingVolume 338, 2015, Pages 43-50 (Scopus Indexed)
25.	Color Image Segmentation By Cuckoo Search	Nandy, S., Yang, X.-S., Sarkar, P.P., Das, A.	Intelligent Automation and Soft ComputingVolume 21, Issue 4, 2 October 2015, Pages 673-685 (Scopus Indexed)

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26.	Gesture Controlled Drawer for Smart Home	S. Sahana, S. Basak, S. Chowdhury	International Journal of Latest Trends in Engineering and Technology Vol.(8) Issue(2), pp.289-296 March 2017, e-ISSN:2278-621X
	Effect of fuzzy partitioning in Crohn's disease classification: a neuro-fuzzy-based approach	Ahmed, S.S., Dey, N., Ashour, A.S., Sifaki-Pistolla, D., Bălas-Timar, D., Balas, V.E., Tavares, J.M.R.S.	Medical and Biological Engineering and ComputingVolume 55, Issue 1, 1 January 2017, Pages 101-115 (Scopus Indexed)
27.	Image segmentation using rough set theory: A review	Roy, P., Chakraborty, S., Goswami, S., Azar, A.T., Dey, N.	Medical Imaging: Concepts, Methodologies, Tools, and Applications18 July 2016, Pages 1414-1426 (Scopus Indexed)
28.	Medline text mining: An	Karaa, W.B.A.,	Intelligent Systems Reference Library Volume 96, 2016, Pages 267-287 (Scopus Indexed)

	enhancement genetic algorithm based approach for document clustering	Ashour, A.S., Sassi, D.B., Roy, P., Kausar, N., Dey, N.	
29.	Using of three training algorithms for material remove rate (MRR) in electrical discharge machining (EDM) for ANSI D2 steel by neural network: a comparative study	Amrut Ranjan Jena,R.Das,D.P.Acharjya	IJPT| June-2016	Vol. 8	Issue No.2	12701-12711.(Scopus)
30.	A non-conventional energy based mobile charger toward green computing	Kaushik Kumar, Shrabanti Saha, Aniket Kumar, Sudipta Sahane	IOSR Journal of Computer Engineering.
31.	Design of cerebrovascular phantoms using fuzzy distance transform based geodesic paths	Indranil Guha, Nirmal Das, Pranati Rakshit, Mita Nasipuri, Punam Saha and Subhadip Basu	International conference on Advanced Computing, Networking, and Informatics [ICACNI – 2016] Centre for Computer Vision & Pattern Recognition National Institute of Technology Rourkela Odisha - 769 008, India & Liverpool John Moors University, UK
32.	An Enhanced Method for Least Significant Bit Image Steganography Using Discrete Logarithmic Dispersion Strategy	Sreeparna Ganguly, Pranati Rakshit	International journal of computer Application, ISSN 0123-4560
33.	Bit-plane Oriented Image Encryption through Prime-Nonprime based Positional Substitution (BPIEPNPS)"	Madhuchhanda Dasgupta, J.K.Mandal	International Journal of Computer Sciences and Engineering, Page No. (65-70). National Conference on Computing, Electronics & Electrical Engineering, on 24th & 25th June 2016; Published in IJCSE, vol.-4, spl. Issue - 6, Aug 2016, E-ISSN: 2347-2693
34.	Multi-Layered RGB Based Secure Technique For Data Transfer	J. Khan, S. Sengupta, S. Sahana	Global Journal of Engineering Science and Research Management volume 4 issue 3 March 2017 DOI: 10.5281/zenodo.439256, ISSN 2349-4506
35.	Agile techniques and frameworks based on the E -marketing model of Electronic commerce for digitizing customize bike	Sumanta Chatterjee , Sumit Shaw Bhartendu chandraveer, Abhishek Baranwal	Trinity of MUDRA, Start-Up India and Stand-Up India Schemes : Prospects and Challenges" on 24–25 February 2017, Poornima University,Jaipur, Conference, National.

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37.	"Information Processing using Multilevel Masking to Image Segmentation"	Debasree Mitra,Kumar Gaurav Verma	IJCA, ISSN 0975-8887
38.	A Comparative Study to Assess the Crohn's Disease type using Statistical and Fuzzy Logic Methodology	Dharmpal Singh, Sudipta Sahana, SK Saddam Ahmed	International Journal of Computer Sciences and Engineering, Page No (41-46)
39.	Implementation of Location Encryption Algorithm for Data Flow in Database Systems Ensuring Enhanced Security Management	Soupayan Datta, Soumya Kanta Dey and Sudipta Sahana	International Journal of Innovations in Engineering and Technology Volume 6 issue 4 , 2016, ISSN: 2319 – 1058
40.	A Comparative Study of Security in E-commerce: Review	Sumanta Chatterjee1 Krishnayan Gupta	International Journal of Computer Sciences and Engineering ; Volume-4, Special Issue-6, Aug 2016, E-ISSN: 2347-2693
41.	A Conceptual Software Model of E-business to Analyze the Growth Rate of a Product	Sumanta Chatterjee ,Sneha Roychowdhury, Kavery Roy	International Conference on Advanced computing and Intelligent Engineering (ICACIE 2016 Springer, CV Raman College of Engineering, Odisha. December 2016.
42.	An Integrated B2C Development Model of Electronic Commerce for Digitizing Cottage Industries	Sumanta Chatterjee , Krishnayan Gupta,Kousik Goswami,Argadip paul	International Conference on Information, Communication and Computing Technology, Jagan Institute of Management Studies, New Delhi,2016
43.	Implementation of Cryptographic Protocol applying Genetic Algorithm on Staircase Substitution Technique and Randomness Testin	Ranajay Kumar Senapati, Sainik Kumar Mahata, Monalisa Dey	International Research Journal of Computer Science, Issue 7, Volume 2, pp. 39-45, ISSN: 2393-9842, August, 2016.
44.	Hemodynamic Analysis on Human Cerebrovascular Phantom with and without Aneurysm	Pranati Rakshit, Nirmal Das, Mita Nasipuri, Subhadip Basu	Springer, Second International conference on computing and communication system(i3cs), 2016, NEHU, Shillong
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47.	Encryption using Double Triangulation and Two Point Crossover	Sainik Kumar Mahata, Monalisa Dey and Subhranil Som	International Journal of Advanced Research in Computer Science and Technology, ISSN : 2347 – 8446 (Online)	ISSN : 2347 - 9817 (Print) – (Cosmos indexed)
48.	Implementation of Cryptographic Protocol applying Genetic Algorithm on Staircase Substitution Technique and Randomness Testing	Ranajay Kumar Senapati, Sainik Kumar Mahata, Monalisa Dey	International Research Journal of Computer Science, Issue 7, Volume 2, ISSN: 2393-9842 ,2016, (Google Scholar and Citeseer indexed) August, 16
49.	A Novel Agreement Protocol with Dual Failure Problem	Sainik Kumar Mahata and Monalisa Dey	International Journal of Advanced Research in Computer Science and Software Engineering , August, 2016, (Google Scholar and Citeseer indexed).
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51.	Server utilization-based smart temperature monitoring system for cloud data center	S. Sahana, R. Bose, D Sarddar	International Conference on Industry Interactive Innovations in Science, Engineering and Technology published on 24-25 October, 2016 (Springer - LNMS) (Scopus Indexed)
52.	An enhanced search optimization proposal based on gossip protocol for the cloud	Sahana, S., Bose, R., Sarddar, D.	International Journal of Applied Engineering ResearchVolume 12, Issue 19, 2017, Pages 8436-8442 (Scopus Indexed)
53.	Effect of trigonometric functions-based	Dey, N., Ahmed, Sk.S.,	International Journal of Embedded SystemsVolume 9, Issue 1, 2017, Pages 90-100

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55.	Performance Analysis of MWMCDS Algorithm in Ad-Hoc Networks using NS2	Sayed Karar Waris, Ira Nath	Journal of Applied Computer Science & Artificial Intelligence.
56.	IDENTIFICATION OF MASS OF TISSUE GROWTH IN BRAIN REGION UNDER THE FRAMEWORK OF IMAGE SEGMENTATION	Kumar Gaurav Verma , Somsubhra Gupta and Debasree Mitra,	International Journal of Latest Trends in Engineering and Technology Vol.(8)Issue(4), pp.179-186 DOI: http://dx.doi.org/10.21172/1.84.28 e-ISSN:2278-621X.
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61.	An effort to design an integrated system to extract information under the domain of metahuristics	D. P. Singh	International Journal of Applied Evolutionary Computation (IJAEC), Vol. 8 No. 3 pp. 13-52, 2017 (ACM)

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63.	Information mining and e-marketing plan on real time data in cottage industries	Sumanta Chatterjee, Somsubhra Gupta	International Journal of Engineering and Applied Sciences, Indexed by Thomson Reuters, ISSN: 2394-3661, Volume-4, Issue-10, October 2017, International Journal.
64.	Design of Cerebrovascular Phantoms Using Fuzzy Distance Transform-based Geodesic Paths	Indranil Guha, Nirmal Das, Pranati Rakshit, Mita Nasipuri, Punam K Saha, Subhadip Basu	Progress in Intelligent Computing Techniques: Theory, Practice, and Applications Advances in Intelligent Systems and Computing, vol 518. Springer, Singapore13 July 2017
65.	Recognition of Handwritten Numerals Using Support Vector Machine	Souvik Banerjee, Souvik Roy, Pijus Kanti Dhara, Shawna Saha, Soumendu Das, Pranati Rakshit	Journal of Applied Computer Science & Artificial Intelligence.
66.	SADHYATI': An Integrated Platform for Medical Assistance	Sumanta Chatterjee, Aniket Santra, Bishal Chakraborty, Nirmal Chandra Saha	International Journal of Computer Sciences and Engineering, Volume-5, Issue-10, Page no. 243-246, Oct-2017, E-ISSN: 2347-2693.
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69.	GIS based app enabled monitoring system for clean smart city	S. Sahana, S. Basak	International Journal of latest trends in Engineering and Technology, Volume 9 Issue 4 - February 2018, 109-114.
70.	Substitution Technique Based Noble Approach Towards Base64 Crypting System Incorporating Rail Fence Cipher	U. Barman, S. Gupta, S. Sahana	National Conference on Innovative Trends in Science & Technology, CCET, Bhilai on 8th March 2018.

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72.	Realization of outcome-based education through teaching learning methodology in engineering institution	R. Chowdhury, S. Saha, S. Sahana, D. Sanki	International Conference on Industry Interactive Innovations in Science, Engineering and Technology published on 24-25 October, 2016 (Springer - LNMS) (Scopus Indexed)
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74.	An e-Commerce portal for online Medicine trading	Sumanta Chatterjee, Somsubhra Gupta, Tanusree Saha	International Journal of Engineering and Applied Sciences (IJEAS) ISSN: 2394-3661, Volume-4, Issue-11, November 2017
75.	Identification of Character Adjectives from Mahabharata	Apurba Paul, D Das	International Conference on Recent Advancement in Natural Language Processing, Verna, Bulgeria, July 2017
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77.	An effort to optimize the error using statistical and soft computing methodologies	G. Purkait and D.P Singh	Journal of Applied Computer Science & Artificial Intelligence Vol .1 No. 1, pp. 15-20, 2017.
78.	A Modified Bio Inspired: BAT algorithm	D.P Singh	International Journal of Applied Metaheuristic Computing (IJAMC) 9(1) DOI:10.4018/IJAMC.2018010105. (Scopus Indexed)
79.	An Enhance DE algorithm for analysis in data set	Dharmpal Singh, J. P. Choudhury and M. De	International Journal of Data Science
80.	Fog-Based Hierarchical Search Optimization	Sahana, S., Bose, R., Sarddar, D.	Communications in Computer and Information ScienceVolume 836, 2018, Pages 674-681
81.	Medical video processing: Concept and applications	Goswami, S., Dey, U., Roy, P., Ashour, A.S.,	Computer Vision: Concepts, Methodologies, Tools, and Applications1 January 2018, Pages 1709-1725

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82.	Breast Cancer Prediction Using Clustering Techniques	P. Karmakar and D. Dulai, D.P. Singh and Ira Nath	International Journal of Computer Sciences and Engineering, Vol.07 , Special Issue.18 , pp.75-81, May-2019.
83.	Self-Reliant Traffic Signalling System Based On Piezoelectric Effect	A. Das, A. Ghosh, Sudipta Sahana, D.P Singh	International Conference on "Electrical, Electronics, Computer Science & Civil Engineering" (ICEECC, 2019), 26 th & 27 th of April, 2019
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86.	Assessment of Exported Tea Quantity by Soft Computing Model	A. Roy, S.Kundu , J. Bhattacharya, D. P Singh, S. Sahana	International Journal of Computer Sciences and Engineering, Vol.07, Special Issue.18, pp.91-97, May-2019.
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91.	Detection of Heart Disease using different Machine Learning Techniques	Jhumpa Mistri, Pranati Rakshit	IJLTET, Vol.(13)Issue(1), pp.022-027, DOI: http://dx.doi.org/10.21172/1.131.05, e-ISSN:2278-621X
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94.	Edufii	GouravKeshari, Amit Kumar Agrwal, AmanAdarsh and SudiptaSahana	CSI - West Bengal State Student Convention 2019, 31st March 2019
95.	Enhancing Data Safety Through Dual Layer Security Protection in Cloud Network	Sudipta Sahana, Suchismita Gupta, DebabrataSarddar	SR Journal of Engineering (IOSRJEN)ISSN (e): 2250-3021, ISSN (p): 2278-8719 Vol. 09, Issue 3 (March. 2019), ‖S (III) ‖ PP 01-10 (UGC approved Journal)
96.	A Noble Approach Towards Security Implementation In Cloud Virtualization Framework	Tanmoy Mukherjee, Sudipta Sahana and Debabrata Sarddar	ernational Conference on Communication, Devices and Computing (ICCDC 2019) March 14-15, 2019 (Springer)
97.	Image Steganography Based Additive Smart Data Encryption Technique for Network Security Improvement	Suchismita Gupta, SudiptaSahana and Ujjwal Barman	International Conference on Communication, Devices and Computing (ICCDC 2019) March 14-15, 2019 (Springer)
98.	Waste Management: A solution towards good life	Waste Management: A solution towards good life	CSI - West Bengal State Student Convention 2019, 31st March 2019
99.	RFID Protected DTMF Based Robotic Tractor for Smart Agriculture	Prithwijit Das, Dharmpal Singh and Sudipta Sahana	CSI - West Bengal State Student Convention 2019, 31st March 2019

100.	Cloud Computing Environment in Big Data for Education	Dharmpal Singh	Frontiers of Cyberlearning pp 211-233, November, 2018, https://doi.org/10.1007/978-981-13-0650-1_12 (springer)(Scopus Indexed) Lecture Notes in Educational Technology
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8.	Assessment of The Heart Disease Using Soft Computing Methodology	Dharmpal Singh, Souvik Pal, Sudipta Sahana, Ira Nath, S. Bhattacharyya	The 4th International Conference on Research in Intelligent and Computing in Engineering, Hanoi University of Industry, Vietnam, August 8-9, 2019 Advances in Intelligent Systems and Computing, Vol. 1125, Pages-1-7, 2020, Scopus Indexed. https://doi.org/10.1007/978-981-15-2780-7_1 (Scopus Indexed)
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10.	Security and Privacy Challenges in Big Data	Dr. Dharmpal Singh, Ira Nath and Pawan Kumar Singh	Security, Privacy, and Forensics Issues in Big Data, Pages: 28, DOI: 10.4018/978-1-5225-9742-1.ch004, (pages 97-124), Chapter-4, IGI Global 2020.
11.	Efficiency of Big Data Application in Smart City	Dr. Dharmpal Singh, Pranati Rakshit, Sudipta Sahana	Book chapter, International, book of Big Data Analytics for Sustainable Computing
12.	Application of IoT in Health care	Pranati Rakshit, Ira Nath, Dr. Souvik Pal	It will be published in BOOK TITLE: "Principles of Internet of Things (IoT) Ecosystems: Insight Paradigm", Book chapter (Springer) BOOK SERIES TITLE: Intelligent Systems Reference Library "Springer" PUBLISHERS: Springer INDEXING: ISI Web of Science, SCOPUS, DBLP and Springerlink.
13.	A Design of IoT Based Agricultural System for Optimal Management	Dr. Dharmpal Singh, Dr. Souvik Pal, Sudipta Sahana	Analytic in IoT agriculture, Book chapter
14.	An Empirical study of Digital Marketing Strategies in E- Commerce Review and Prospect	Sumanata Chatterjee	Book of Digital Marketing Strategies and Models for Competitive Business
15.	Automatic Music Genre Detection using Artificial Neural Networks	P. Mondal, Ira Nath, N. Gupta, M. K. Jha, D. G. Ganguly.	International Conference on Research in Intelligent and Computing in Engineering (RICE-2019) Advances in Intelligent Systems and Computing,

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16.	A New Accident Alert System Using Android App Development	Anindya Dey, Ira Nath, Ramaadyuti Battabyal, Bhakta Ballav Garai and Amit Mazumder	AICTE Sponsored 2nd International Conference on NonConventional Energy – Nanotechnology & Nanomaterials for energy and Environment (ICNNEE2019), 18th October, 2019.
17.	Face Recognition by City-Block Distance Classifier in Supervised Machine Learning	Debasree Mitra, Parantap Sarkar, Payel Roy	International Journal of Research and Analytical Reviews (IJRAR)|/ Vol 6 / E-ISSN 2348-1269, P-ISSN 2349-5138 /Issue 2/June 2019
18.	Security and privacy issues in IoT, and its challenges and solutions	Dr. Bikramjit Sarkar	Accepted for the book "IoT Security And Privacy Paradigm"
19.	An Analytical Survey on the Health-Care Paradigm in IoT Ecosystem and Policy Implementation Protocols in India	Biswas, R., Pal, S., Sarkar, B. and Chakrabarty, A.	In Fourth International Conference on Research in Intelligent and Computing in Engineering [RICE 2019], Springer (Scopus)
20.	NEHSC: A NEW EFFICIENT HEURISTIC FOR SYMMETRIC KEY CRYPTOGRAPHY	Ira Nath, Pranati Rakshit, Dharmpal Singh	Published in AICTE Sponsored 2nd International Conference on Non-Conventional Energy – Nanotechnology & Nanomaterials for energy and Environment (ICNNEE2019), 18th October, 2019.
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22.	Assessment of Annual Average Temperature by Soft Computing Model	Dharmpal Singh, Sudipta Sahana and Ira Nath,	Published in AICTE Sponsored 2nd International Conference on Non-Conventional Energy – Nanotechnology & Nanomaterials for energy and Environment (ICNNEE2019), 18th October, 2019.
23.	Prediction of heart disease using SVM with feature selection	Dr. Pranati Rakshit Debasree Mitra	I3SET2K19 (accepted)
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26.	Identification and prediction of factors responsible for diabetes by machine learning approaches	Debasree Mitra,Arghya Bhowmick,Himanshu Singh,Dibya Mondal, Khwaja Mohiuddin Ansari,Kaustubh Chakraborty	International Conference in ICNNEE2019/Oct 2019 (Elsevier SSRN- Post Conference Communication)
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28.	Efficacy of Big Data application in smart city	Sudipta Sahana, Dharmpal Singh, Pranati Rakshit,	Machine Learning and Cognitive Computing for Mobile Communications and Wireless Networks" by Scrivener Publishing, Wiley. (Accepted)
29.	Information Technology and Student Success	Dharmpal Singh, Ira Nath and Sonali Bhattacharyya	EoT_2020 (Education of Things_Digital Pedagogy) (Accepted)
30.	Diagnosis and Detection of Various Diseases using Machine Learning heuristics: A Study	Ira Nath, Pranati Rakshit and Dharmpal Singh	Will be published in Machine Learning & Internet of Medical Things in Healthcare (MLIoMTH-2020). Elsevier [Scopus Indexed]. [Accepted]
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41.	IoT Based Women Safety Device Without Human Intervention	Dwaipayan Saha, Indrani Mukherjee Jesmin Roy Sumanta Chatterjee	Proceedings of Industry Interactive Innovations in Science, Engineering & Technology (I3SET2K19)
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44.	Literature Survey on Data Security and Challenges	Jayshree Bhattacharya, Jhumpa Mistri, Riya Biswas, Debolina Dalui, Dr. Dharmpal Singh, Dr. Pranati Rakshit Sonali Bhattacharya	CSI – West Bengal State Student Convention (Will be published)
45.	Assessment of the Performance of MLP & Hierarchical Clustering Method in the Prediction of Breast Cancer	Jayshree Bhattacharya, Pranati Rakshit, Arindam Roy, Dharmpal Singh, Debolina Dalui	Published in CSI-WBSSC2K19 and will be published in IJCSE.
46.	Microcontroller Based Accident Prevention and Safety System for Mountain Roads	Dwaipayan Saha, Indrani Mukherjee, Jesmin Roy, Sumanta Chatterjee	Published in CSI-WBSSC2K19 and will be published in IJCSE.
47.	COMPARATIVE STUDY BASED ON REAL TIME DATA ON THE INNOVATIVE ABILITIES IN TERMS OF ECONOMICAL GROWTH ANALYSIS OF SMES	Sumanta Chatterjee, Arindam Roy, Jayshree Bhattacharya	Published in AICTE Sponsored 2nd International Conference on Non-Conventional Energy – Nanotechnology & Nanomaterials for energy and Environment (ICNNEE2019), 18th October, 2019.
48.	Microcontroller Based Water Level Indicator and Controller System	Dwaipayan Saha, Indrani Mukherjee, Jesmin Roy, Sumanta Chatterjee	International Journal of Computer Sciences and Engineering Open Access, Vol.-7, Issue-10, Oct 2019 E-ISSN: 2347-2693.
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51.	A Noble Approach Toward Security Implementation in Cloud Virtualization Framework	Mukherjee, T., Sahana, S., Sarddar, D.	Lecture Notes in Electrical Engineering, Vol.602, Page-541-552, 2020, Scopus indexed 10.1007/978-981-15-0829-5_52
52.	Hyperspectral and multispectral image fusion using NSCT and FDCT methods	Pal, S., Bhattacharyya, S., Doss, S., Akila, D., Suseendran, G.	Journal of Critical Reviews, Vol.7, Pages-635-642, 2020, Scopus indexed. 10.31838/jcr.07.05.131
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56.	A Conceptual Framework Towards Implementing a Cloud-Based Dynamic Load Balancer Using a Weighted Round-Robin Algorithm	Sudipta Sahana, Tanmoy Mukherjee and Debabrata Sarddar	International Journal of Cloud Applications and Computing, Vol. 10, Pages-22-35, 2020, Web of Science, DOI: 10.4018/IJCAC.2020040102 (Scopus Indexed)

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58.	Revitalizing MSMEs' Performance with Transparency: Monitoring, Mentoring and Malwaring through IoT Intervention	Norbu, T., Mall, M., Sarkar, B., Pal, S. and Chakrabarty	In International Conference on Intelligent Computing and Communication Technologies [ICICCT-2019]. Springer (Scopus)
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63.	Assessment of Annual Average Temperature by Clustering Algorithm	Dr. Dharmpal Singh, Sudipta Sahana	The RICE-2020 conference proceedings will be publishing with Advances in Intelligent Systems and Computing, Springer ISSN: 2194-5357
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67.	Microcontroller Based Smart Door Locking system	Sumanta Chatterjee, Md Adib, Hritwick Raj, Prabhat kumarJha	ICCIC 2020 (CONFERENCE)
68.	COMPARATIVE STUDY OF VARIOUS TOUCH SCREEN TECHNOLOGIES: A REVIEW	Kshitish S Jha, Sumanta Chatterjee, Koushik Saha, Palak Choudhary, Monalisa Ghosh & Indrani Naskar	INTERNATIONAL JOURNAL OF RESEARCH AND ANALYTICAL REVIEWS http://doi.one/10.1729/Journal.23073, February, 2020. (E-ISSN 2348-1269, P- ISSN 2349-5138)
69.	Comparative Study Based on Real Time Data on the Innovative Abilities in Terms of Economical Growth Analysis of SMEs	Sumanta Chatterjee, Arindam Roy and Jayshree Bhattacharya	2nd International Conference on Non-Conventional Energy: Nanotechnology & Nanomaterials for Energy & Environment (ICNNEE) 2019
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