

Publication
Of
Computer Science Department

Publication of Computer Science Department

JIS COLLEGE OF ENGINEERING DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING PUBLICATIONS OF FACULTY MEMBERS

Publication in year 2019-2020

Sl	Title of the paper	Author	Publication Details/Vol.No./ISSN No./Page No.
1.	An Efficient Heuristic to Minimize Number of Regenerations in Translucent Optical Network under Dynamic Scenario	Ira Nath, U. Bhattacharya, M. Chatterjee	International Conference on Distributed Computing and Networking (ICDCN19), ISBN: 978-1-4503-6094-4 Pages 451-454 Published and included in ACM Digital Library, (Scopus Indexed).
2.	A new bio-inspired algorithm: lizard optimization	Dr. Dharmpal Singh	International Journal of Computer Aided Engineering and Technology, Accepted, abstract publish, (Scopus).
3.	A Noble Approach Towards Security Implementation In Cloud Virtualization Framework	Tanmoy Mukherjee, Sudipta Sahana, Debabrata Sarddar	2nd International Conference on Communication, Devices and Computing (ICCDC 2019), Published (Scopus), December, 19
4.	Image Steganography Based Additive Smart Data Encryption Technique for Network Security Improvement	Suchismita Gupta, Ujjwal Barman, Sudipta Sahana	2nd International Conference on Communication, Devices and Computing (ICCDC 2019), Published (Scopus), December, 19.
5.	MFAO: Modified Firefly Algorithm for Optimization	Dr. Dharmpal Singh	Malaysian Journal of Computer Science (MJCS), Communicated
6.	A New Bio-inspired Algorithm: Social Spider Algorithm	Dr. Dharmpal Singh	Journal of Soft Computing, Communicated, SCI
7.	A Comparative study of meta heuristic model to assess the breast cancer disease type under the domain of data mining	Dr. Dharmpal Singh	IETE Journal of Research, SCI Index (Accepted).
8.	Assessment of The Heart Disease Using Soft	Dharmpal Singh, Souvik Pal, Sudipta	The 4th International Conference on Research in Intelligent and Computing in Engineering, Hanoi

	Computing Methodology	Sahana, Ira Nath, S. Bhattacharyya	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)
9.	An Effort to Analysis the Causes of Rail Accident using the concept of statistical methods	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 (Scopus Indexed)
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, Vol.-1125, Pages-17-24, 2020, https://doi.org/10.1007/978-981-15-2780-7_3 (Scopus Indexed)
16.	A New Accident Alert System Using Android App Development	Anindya Dey, Ira Nath, Ramaadyuti Battabyal, Bhakta Ballav Garai and Amit	AICTE Sponsored 2 nd International Conference on NonConventional Energy – Nanotechnology & Nanomaterials for energy and Environment (ICNNEE2019), 18 th October, 2019.

		Mazumder	
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, Dharpal Singh	Published in AICTE Sponsored 2 nd International Conference on Non-Conventional Energy – Nanotechnology & Nanomaterials for energy and Environment (ICNNEE2019), 18 th October, 2019.
21.	FACE DETECTION USING VECTOR SUPPORT MACHINE WITH PCA	Pranati Rakshit, Sonali Bhattacharyya, Jhumpa Mistri and Ira Nath	Published in AICTE Sponsored 2 nd International Conference on Non-Conventional Energy – Nanotechnology & Nanomaterials for energy and Environment (ICNNEE2019), 18 th October, 2019.
22.	Assessment of Annual Average Temperature by Soft Computing Model	Dharpal Singh, Sudipta Sahana and Ira Nath,	Published in AICTE Sponsored 2 nd International Conference on Non-Conventional Energy – Nanotechnology & Nanomaterials for energy and Environment (ICNNEE2019), 18 th October, 2019.
23.	Prediction of heart disease using SVM with feature selection	Dr. Pranati Rakshit Debasree Mitra	I3SET2K19 (accepted)
24.	Prediction Of Diabetes Mellitus Using Different Machine Learning Techniques	Debasree Mitra, Dr. Pranati Rakshit , Ali Siraz Akhtar, Arghya Bhowmick, Himanshu Singh, Dibya Mondal, Khwaja Mohiuddin Ansari, Kaustubh Chakraborty	International Conference in I3SET2019/Dec 2019 (Elsevier SSRN)
25.	Prediction of Heart Disease Using Support Vector Machine With Feature Selection Method	Rahul Majumder, Dr. Pranati Rakshit , Debasree Mitra, Swatilekha Nag, Suchismita	International Conference in I3SET2019/Dec 2019 (Elsevier SSRN- Post Conference Communication)

		Gupta,Swarnava Gupta	
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)
27.	A Design of IoT-Based Agricultural System for Optimal Management.	Sahana S., Singh D., Pal S., Sarddar D.	IoT and Analytics for Agriculture. Studies in Big Data, vol 63. Springer, Singapore, First Online02 October 2019, DOI : https://doi.org/10.1007/978-981-13-9177-4_10 , Publisher Name, Springer, Singapore
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]
31.	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
32.	Bio-molecular Event Trigger Extraction by Word Sense Disambiguation based on Supervised Machine Learning using Wordnet-based Data Decomposition and Feature Selection	Amit Majumder, Asif Ekbal, Sudip Kumar Naskar	GAIC-2019, IEM, Kolkata, September 12-14, 2019 Advances in Intelligent Systems and Computing, Vol.1112, Pages-391-398, 2020, Scopus Indexed. 10.1007/978-981-15-2188-1_31
33.	Supervised Machine	S. Arya, A. Majumder,	International Journal of Computer Sciences and

	Learning approach for Extracting Named Entities from Hindi-English Mixed Social Media Text	S. Majumder, A. kundu, N. Shamim, I. Nath	Engineering, Vol.08, Special Issue.01, pp.1-4, Feb-2020.
34.	A New Technique for New York Stock Exchange (NYSE) Data Analysis Using Apache Pig	S. Halder, D. Dugar, I. Nath, P. Rakshit, D. Singh	International Journal of Computer Sciences and Engineering, Vol.08, Special Issue.01, pp.10-15, Feb-2020.
35.	NTCETLS: A Novel Technique for Cryptography Ensuring Two Level Security	S. Ghosh, P. Das, I. Nath, D. Singh, S. Sahana	International Journal of Computer Sciences and Engineering, Vol.08, Special Issue.01, pp.19-24, Feb-2020.
36.	Assessment of Exported Tea Quantity using Fuzzy Neural Model	A. Roy, D. Singh, S. Sahana, I. Nath, P. Rakshit	International Journal of Computer Sciences and Engineering, Vol.08, Special Issue.01, pp.59-63, Feb-2020.
37.	Real-Time Local Train Tracking System through HaarCascade Classifier and OCR Model	S. Sarkar, S. Lahiri, A. Biswas, A. Das, S. Bhowmick, S. Sahana, D. Singh, I. Nath	International Journal of Computer Sciences and Engineering, Vol.08, Special Issue.01, pp.32-36, Feb-2020.
38.	Comparative Assessment of Performance of LDA, LR and SVM in the Application of Face Detection	S. Paul, P. Rakshit, J. Mistri, I. Nath, S. Biswas, D. Singh, R. Sen,	International Journal of Computer Sciences and Engineering, Vol.08, Special Issue.01, pp.44-48, Feb-2020.
39.	Statistical Approach to Estimate the Weather Prediction	A. Roy, D. Singh, S. Sahana, I. Nath,	International Journal of Computer Sciences and Engineering, Vol.08, Special Issue.01, pp.64-69, Feb-2020.

40.	Intelligent Alcohol Detection System for Car Drivers	Rahul Das, Oishik Chattopadhyay, Pratnadeep Biswas, Monoram Das, Sumanta Chatterjee, Apurba Paul	Proceedings of Industry Interactive Innovations in Science, Engineering & Technology (I3SET2K19)
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)
42.	Face Detection using Support Vector Machine with PCA	Pranati Rakshit, Rajit Basu, Sayan Paul, Sonali Bhattacharyya, Jhumpa Mistri and Ira Nath	2nd International Conference on Non-Conventional Energy: Nanotechnology & Nanomaterials for Energy & Environment (ICNNEE) 2019
43.	BEHSC: A New Efficient Heuristic for Symmetric Key Cryptography	Ira Nath, Renesha Ghosh, Sourav Ghosh, Pranati Rakshit and Dharmpal Singh	2nd International Conference on Non-Conventional Energy: Nanotechnology & Nanomaterials for Energy & Environment (ICNNEE) 2019
44.	Literature Survey on Data	Jayshree Bhattacharya,	CSI – West Bengal State Student Convention (Will

	Security and Challenges	Jhumpa Mistri, Riya Biswas, Debolina Dalui, Dr. Dharmpal Singh, Dr. Pranati Rakshit Sonali Bhattacharya	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.
49.	Lock Steganography Based Secure Key Encryption to Improve Data Security	A Arindam Roy, Jayshree Bhattacharya, SayantaniKundu, SudiptaSahana and Dharmpal Singh	International Conference on Innovation in Modern Science and Technology (ICIMSAT 2019) on September 20-21, 2019 (Springer)
50.	IoT BASED ENERGY	Ankita Roy	ICNNEE 2019: AICTE SPONSORED

	METER TOWARDS EFFICIENT POWER CONSUMPTION	Chowdhury, BipashaSaha, Gangotri Sarkar, JyotiChoudhary, SudiptaSahana and Dharmpal Singh	INTERNATIONAL CONFERENCE ON NANOTECHNOLOGY & NANOMATERIALS FOR ENERGY AND ENVIRONMENT October 18 & 19, 2019
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
53.	Minimizing Cost of Regeneration at Regeneration Sites-A New Approach for Dynamic Lightpath Establishment in Translucent Optical Networks	Nath, I., Dey, V., Halder, J., Chatterjee, M., Bhattacharya, U.	IEEE Access, Vol.-8, Pages-4198-4210, 2020, 10.1109/ACCESS.2019.2960800 (Scopus Indexed, SCIE)
54.	Application of IOT in healthcare	Rakshit, P., Nath, I., Pal, S.	Intelligent Systems Reference Library, Vol. 174, Pages-263-277, 2019, 10.1007/978-3-030-33596-0_10, (Scopus Indexed)
55.	The reasons for rail accident in India using the concept of statistical methods: An analytical approach	Singh, D., Sahana, S., Pal, S., I. Nath, Bhattacharyya, S., Chakraborty, S.	Advances in Intelligent Systems and Computing, Vol. 1125, Pages-9-16,2020, Advances in Intelligent Systems and Computing https://doi.org/10.1007/978-981-15-2780-7_2 (Scopus Indexed)
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)
57.	Developing a Smart and	Majumdar, S. and	In Fourth International Conference on Research in

	Sustainable Transportation Plan for a large sized city: An Approach to Smart City Modeling	Sarkar, B.	Intelligent and Computing in Engineering [RICE 2019], Springer (Scopus) 2019, August
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)
59.	An Approach towards Soil Erosion Monitoring System using Satellite Images through Data Mining and Pattern Mining Techniques	Suseendram, G., Sarkar, Bikramjit, Pal, Souvik, Mahalakshmi, B. and Rohini. K.	Journal of Critical Reviews (Scopus), 2020.
60.	Voice of Future Classroom: Virtual Reality and Augmented Reality. In Education of Things: Digital Pedagogy	Sarkar, B., Saha, D. and Das	CRC Press, Taylor & Francis Group, 2020 [Accepted].
61.	Computation of Regeneration Sites in Survivable Cost-efficient Translucent Optical Networks	I. Nath, M. Chatterjee, D. Sinha and U. Bhattacharya	International Journal of Recent Technology and Engineering, Vol.8 Issue-5, January 2020, pages 4024-4033. (Indexed in - SCOPUS).
62.	Efficacy of Big Data Application in Smart Cities	S. Sahana, D.Singh and P.Rakshit	Machine Learning and Cognitive Computing for Mobile Communications and Wireless Networks, Pages-225, Publisher-John Wiley & Sons, Publication Date-29.05.2020.
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
64.	A New Bio-inspired Social Spider Algorithm	Dr. Dharmpal Singh	has been accepted for publication in International Journal of Applied Metaheuristic Computing 12(1), 2021.
65.	IoT based Health Care System	Dr. Dharmpal Singh, Sudipta Sahana	for the upcoming book, "Impact of Deep Learning and IoT on Multi-Industry Applications (Accepted)
66.	Application of Augmented	Dr. Dharmpal Singh,	for the upcoming book, "Implementing Augmented

	Reality and Virtual Reality in Education	Ira Nath	Reality into Immersive Virtual Learning Environments." (Accepted)
--	--	----------	---

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.
-----	--	---	---

Publication in year 2018-2019

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
70.	An improved bio-inspired BAT algorithm for optimization	Purkait, G., Singh, D., Mishra, M., Jena, A.R., Banerjee, A.	Advances in Intelligent Systems and Computing, 2019 (Scopus Indexed)

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
84.	DPDOS: A NEW HEURISTIC TO DETECT AND PREVENT DISTRIBUTED DENIAL OF SERVICE ATTACK PRESENT IN VANET	S. Priya, K. Roy, I. Nath, D. Singh	International Journal of Computer Sciences and Engineering, Vol.07, Special Issue.18, pp.35-38, May-2019.
85.	A New Heuristic for Multiplication of two matrices of order 2*2	S. Debnath, I. Nath, D.P Singh	International Journal of Computer Sciences and Engineering, Vol.07, Special Issue.18, pp.44-47, May-2019
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.
87.	IOT Based Automatic Plant Watering and Tank Filling System	Sumanta Chatterjee, S.Das, Apurba Paul	International Journal of Computer Sciences and Engineering, Vol.07, Special Issue.18, pp.174-176, May-2019
88.	Microcontroller based earthquake indicator and measurement system	Sumanta Chatterjee, N. Pandit, A. Ray, N. Gupta. Apurba Paul	International Journal of Computer Sciences and Engineering, Vol.07, Special Issue.18, pp.147-150, May-2019
89.	Rail Fence Cipher Based Encryption Technique for Secure Data Transfer	A. Roy, S.Kundu , J. Bhattacharya, D. P Singh, S. Sahana	International Journal of Computer Sciences and Engineering, April, 2019
90.	App Based Vehicle Information System with Smart Monitoring Technique	Ujjwal Barman, Suchismita Gupta, Trisha Chakraborty, Utpal Maji	IOSR Journal of Engineering (IOSRJEN) Vol. 09, Issue 3 (March. 2019), S (II) PP 62-68
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
92.	Security and privacy issues in IoT, and its challenges and solutions	Tilak Kumar Dhar, Dr. Bikramjit Sarkar	It has been accepted for the book “IoT Security And Privacy Paradigm”, CRC Press, Taylor &

			Francis Group, May 2019 (Book Chapter)
93.	Machine Learning Approach for Signature Recognition in Digital Image Processing	Debasree Mitra, Aurjyama Baksi, Alivia Modak, Arunima Das, Ankita Das	IJCSE / Vol.7 / e-ISSN: 2347-2693 /Issue.5 / pp.73-80/ May-2019
94.	Edufii	GouravKeshari, Amit Kumar Agrwal, AmanAdarsh and SudiptaSahana	CSI - West Bengal State Student Convention 2019, 31 st 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	International 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, 31 st 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, 31 st March 2019
100.	Cloud Computing Environment in Big Data for Education	<ul style="list-style-type: none"> Dharmpal Singh 	<ul style="list-style-type: none"> 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
101.	Deep Convolutional	Dasgupta, M.,	Communications in Computer and Information Science Volume 1030, 2019, Pages 47-562nd International Conference on Computational

	Neural Network Based Facial Keypoints Detection	Mandal, J.K	Intelligence, Communication, and Business Analytics, CICBA 2018; Kalyani; India; 27 July 2018 through 28 July 2018; Code 227899
55.	Performance Analysis of MWMCDS Algorithm in Ad-Hoc Networks using NS2	Sayed Karar Waris, Ira Nath	Journal of Applied Computer Science & Artificial Intelligence.

Publication in year 2017-2018

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.
57.	Unique Identification Key Generation System for Secure Authentication	Shrabanti Saha, Aniket Kumar, Kaushik Kumar, Sudipta Sahana,	JACSAI
58.	CLASSIFICATION OF ANOMALOUS REGION IN HUMAN CEREBROVASCULAR STRUCTURE USING RANDOM FOREST	Pranati Rakshit, Mita Nasipuri, Nirmal Das & Subhadip Basu	International Journal of Latest Trends in Engineering and Technology Vol.(9)Issue(3), pp.015-021 DOI: http://dx.doi.org/10.21172/1.93.03 e-ISSN:2278-621X.
59.	An effort to optimize the error using statistical and soft computing methodologies	Gopal Purkait, Dharpal Singh	Journal of Applied Computer Science & Artificial Intelligence, Volume-1, Issue-1, Page-15-20
60.	A semiautomatic approach for segmentation of carotid vasculature from patients' CTA images	Indranil Guha, Nirmal Das, Pranati Rakshit, Mita Nasipuri, Punam K Saha, Subhadip Basu	Springer journal-Innovations in Systems and Software Engineering (ISSE)December 2017, Volume 13, Issue 4, pp 243–250
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 (IAEC), Vol. 8 No. 3 pp. 13-52, 2017 (ACM)
62.	Autonomous, Surveillance Fire Extinguisher Robotic Vehicle with Obstacle Detection and Bypass using Arduino Microcontrolle	Sumanta Chatterjee, Apurba Paul	Communications on Applied Electronics (CAE) – ISSN: 2394-4714 Foundation of Computer Science FCS, New York, USA Volume 7 – No.4, July 2017 – www.caeaccess.org , International Journal, ISSN: 2394-4714.
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	Indranil Guha, Nirmal	Progress in Intelligent Computing Techniques:

	Phantoms Using Fuzzy Distance Transform-based Geodesic Paths	Das, Pranati Rakshit, Mita Nasipuri, Punam K Saha, Subhadip Basu	Theory, Practice, and Applications Advances in Intelligent Systems and Computing, vol 518. Springer, Singapore 13 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.
67.	NHSKCA: A NEW HEURISTIC FOR SYMMETRIC KEY CRYPTOGRAPHIC ALGORITHM	Ira Nath, Deepashree Bhattacharyya, Agnisuddha Mandal, Nandini Kundu, Oindrila De	International Journal of Computer Engineering in Research Trends (IJCERT) (ISSN: 2349-7084), 4(12): pp: 547-551, December-2017 [Thomson Reuters].
68.	App Controlled Smart Locking System for Advanced Home Security	S. Basak, S. Chowdhury, A. Chakraborty, S. Sahana	International Journal of Engineering and Science Invention Volume 7, Issue 3, e-ISSN: 2319 – 6734 p-ISSN: 2319 – 6726.
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.
71.	Secret Key based String Reserve Enabling use level encryption technique for data security	K. Kumar, S. Ghosh, S. Sahana,	International Journal of Advanced Research in Computer Science, Volume- 9, Issue- March-April 2018,
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)
73.	A Comparative Study to Assess the Crohn's Disease type using Statistical and Fuzzy Logic Methodology	D. Singh, S. Sahana, Sk Ahmed	National Conference National Conference on Computing, Electronics & Electrical Engineering 2016.
74.	An e-Commerce portal for	Sumanta Chatterjee,	International Journal of Engineering and Applied

	online Medicine trading	Somsubhra Gupta, Tanusree Saha	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
76.	A Deep dive into Identification of Character from Mahabharata	Apurba Paul, D Das	International Conference on Natural Language Processing, Kolkata, 2017
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 Science Volume 836, 2018, Pages 674-681
81.	Medical video processing: Concept and applications	Goswami, S., Dey, U., Roy, P., Ashour, A.S., Dey, N.	Computer Vision: Concepts, Methodologies, Tools, and Applications 1 January 2018, Pages 1709-1725