

**LIST OF PAPERS PUBLISHED in 2017**

Sl	Author (Including Co-author)	Title of the Paper	Detail of Paper (including Vol., Issue, Pg. No. Year)	Nature of Paper (Journal/Conference/Book Chapter)	National/ International	Journal Impact No./SCI Index/ISBN No/ISSN No.
1	Ganguly Bhattacharjee K .	Photography, an Important Tool for Qualitative Analysis of Estrogen Rreceptor and Progesterone Receptor Number which have Prognostic Iimportance in Breast Cancer.	11 <sup>th</sup> International Conference, IPC2017. PP 94-101.	Conference	International	ISBN (13) 978-81- 923360-0-4.
2	<b>S. Sahana</b> , S. Basak, S. Chowdhury	Gesture Controlled Drawer for Smart Home	International Journal of Latest Trends in Engineering and Technology Vol.(8) Issue(2), pp.289-296 March 2017 <b>DOI:</b> <b><a href="http://dx.doi.org/10.21172/1.82.038">http://dx.doi.org/10.21172/1.82.038</a></b>	Journal	International	ISSN:2278- 621X
3	J. Khan, S. Sengupta, <b>S. Sahana</b>	Multi-Layered RGB Based Secure Technique For Data Transfer	Global Journal of Engineering Science and Research Management volume 4 issue 3 March 2017 <b>DOI:</b> <b>10.5281/zenodo.439 256</b>	Journal	International	ISSN 2349- 4506

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1.	Indranil Guha, Nirmal Das, Pranati Rakshit, Mita Nasipuri, Punam Saha and Subhadip Basu	"Design of cerebrovascular phantoms using fuzzy distance transform based geodesic paths"	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	conference	International	-
2.	Sreeparna Ganguly, Pranati Rakshit	"An Enhanced Method for Least Significant Bit Image Steganography Using Discrete Logarithmic Dispersion Strategy"	International journal of computer Application	journal	International	ISSN 0123- 4560
3.	Pranati Rakshit, Nirmal Das, Mita Nasipuri, Subhadip Basu	"Hemodynamic Analysis on Human Cerebrovascular Phantom with and without Aneurysm"	Springer, Second International conference on computing and communication system(i3cs), 2016, NEHU, Shillong	conference	International	
4.	Pranati Rakshit, Nirmal Das, Mita Nasipuri, Subhadip Basu	"A Qualitative Hemodynamic Analysis on Human Cerebrovascular Phantom"	Springer, 1 <sup>st</sup> conference on Adavanced computing and Intelligent Engineering, CV Raman college of engg, Bhubaneswar, 2016	Conference	International	

5.	Ira Nath, Prosenjit Chakraborty	REVIEW OF VARIOUS ATTACKS & A NEW SECURE DATA TRANSMISSIO N MECHANISM FOR MANET	<i>International Journal of Computer Science and Mobile Computing</i> , 2016	<i>Journal</i>	<i>International</i>	ISSN 2320– 088X
6.	Debasree Mitra,Kumar Gaurav Verma	"Information Processing using Multilevel Masking to Image Segmentation"	IJCA	<i>Journal</i>	<i>International</i>	ISSN 0975- 8887
7.	R. Bose, <b>S. Sahana</b> , D. Saraddar	“An Adaptive Cloud Communication Network Using VSAT with Enhanced Security Implementation”	International Conference on Intelligent Computing and Communication 2016 ( <i>ICIC2</i> 2016) on 18th & 19th February 2016(Springer)	Conference	International	
8.	<b>S. Sahana</b> , R. Bose, D Saraddar	“Harnessing RAID mechanism for enhancement of Data Storage and Security on Cloud”	Brazilian Journal of Science and Technology (2016) 3: 12 DOI 10.1186/s40552- 016-0024-5 published on 22nd March 2016. (Springer).	Journal	International	
9.	<b>S. Sahana</b> , J. Gangopadhy ay	"ADAPTIVE ON DEMAND SIZE BASED IMGAGE STEGANOGRA PHY WITH CIPHER TECHNOLOGY "	Global Journal of Engineering Science and Research Management Volume 3 Issue 4	Journal	International	ISSN 2349- 4506 ,2016 Impact Factor: 2.265
10.	S. Datta, S K Dey and <b>S. Sahana</b>	"Implementation of Location Encryption Algorithm for Data Flow in Database Systems Ensuring Enhanced Security Management"	International Journal of Innovations in Engineering and Technology Volume 6 issue 4	Journal	International	ISSN: 2319 – 1058,2016

11.	R. Chowdhury, S. Saha, S. Sahana, D. Sanki	Realization of Outcome Based Education through Teaching Learning Methodology in Engineering Institution	Proceedings of TEQIP Sponsored International Conference on Industry Interactive Innovations in Science, Engineering and Technology (I3SET-16), 25 <sup>th</sup> -26 <sup>th</sup> October, 2016, JIS College of Engineering, Paper ID-103, Proceedings Published in Springer-Lecture Notes in Networks and System [LNNS]	Conference	International	
12.	D. Singh, S. Sahana, Sk Ahmed	A Comparative Study to Assess the Crohn's Disease type using Statistical and Fuzzy Logic Methodology	National Conference National Conference on Computing, Electronics & Electrical Engineering	Conference	National	
13.	S. Sahana, R. Bose, D Sarddar	Server Utilization Based Smart Temperature Monitoring System for Cloud Data Center	Proceedings of TEQIP Sponsored International Conference on Industry Interactive Innovations in Science, Engineering and Technology (I3SET-16), 25 <sup>th</sup> -26 <sup>th</sup> October, 2016, JIS College of Engineering, Paper ID-103, Proceedings Published in Springer-Lecture Notes in Networks and System [LNNS]	Conference	International	
14.	Sainik Kumar Mahata, Monalisa Dey and Subhranil Som	"Encryption using Double Triangulation and Two Point Crossover"	International Journal of Advanced Research in Computer Science and Technology	Journal	International	ISSN : 2347 - 8446 (Online)   ISSN : 2347 - 9817 (Print) - (Cosmos indexed), 2016
15.	Ranajay Kumar Senapati, Sainik Kumar Mahata, Monalisa	"Implementation of Cryptographic Protocol applying Genetic Algorithm on Staircase Substitution	International Research Journal of Computer Science, Issue 7, Volume 2	Journal	International	ISSN: 2393-9842 ,2016, (Google Scholar and Citeseer indexed)

	Dey	Technique and Randomness Testing”				
16.	Sainik Kumar Mahata and Monalisa Dey	"A Novel Approach for Cryptography using Modified Substitution Cipher and Triangulation "	International Research Journal of Computer Science (IRJCS) Issue 04, Volume 3 (April 2016)	Journal	International	ISSN: 2393-9842, pp.26-32, (Google Scholar and Citeseer indexed)
17.	Sainik Kumar Mahata and Monalisa Dey	“A Novel Agreement Protocol with Dual Failure Problem”	International Journal of Advanced Research in Computer Science and Software Engineering , 2016, (Google Scholar and Citeseer indexed).	Journal	International	
18.	Monalisa Dey, Anupam Mondal, Dipankar Das	“NTCIR-12 Mobileclick 2: Sense Based Ranking and Summarization of English Queries”	NTCIR-12, National Institute of Technology, Tokyo, Japan. Accepted, June 4-7, 2016.	Journal	International	
19	Sumanta Chatterjee, Apurba Paul, Ritaban Paul, Souvik Banerjee	“Cognitive Mechatronic Fire Extinguishing Vehicle with Obstacle Detection and Bypass”	Applied Electronics (CAE) – ISSN : 2394-4714 Foundation of Computer Science FCS, New York, USA Volume 4 – No.8, April 2016	Journal	International	
20	Madhuchhanda Dasgupta, J.K.Mandal	" Bit-plane Oriented Image Encryption through Prime-Nonprime based Positional Substitution (BPIEPNPS)"	National Conference on Computing, Electronics & Electrical Engineering, on 24th & 25th June 2016; Published in IJCSE, vol.-4, spl. Issue - 6, Aug 2016	Conference	National	E-ISSN: 2347-2693

**LIST OF PAPERS PUBLISHED in 2015**

Sl	Author (Including Co- author)	Title of the Paper	Detail of Paper (including Vol., Issue, Pg. No. Year)	Nature of Paper (Journal/Conference/Book Chapter)	National/ International	Journal Impact No./SCI Index/ISBN No/ISSN No.
1.	Apurba Paul	"Identification and Classification of Emotional Key Phrases from Psycho-logical Texts",	Association for Computational Linguistics(ACL)-2015,Proceedings of the ACL 2015 Workshop on Novel Computational Approaches to Keyphrase Extraction	Conference	International	
2.	Siddhartha Sankar Nath, Pranati Rakshit,	"A Survey of Image Processing Techniques for Emphysema Detection"	International Journal of Computer Applications (0975 – 8887) Volume 114 – No. 15, March 2015.	Journal	International	
3.	Ira Nath, Monish Chatterjee, Uma Bhattacharya	"CLR: A Novel Approach for Sparse Placement of Regenerators and Routing in Translucent Optical Networks"	Twelfth International Conference on Wireless and Optical Communications Networks WOCN2015	Conference	International	ISBN: 978-0-692-36963-0 and ISSN: provided by Library of congress in USA for distribution
4.	D. Sarddar, R. Bose, S. Sahana	"An Enhanced Cloud Network Load Balancing Approach Using Hierarchical Search Optimization Technique"	International Journal of Hybrid Information Technology Vol.8, No.3 (2015), pp.9-20	Journal	International	ISSN: 1738-9968
5.	S. Sahana, A. Bhattacharya, R. Mondal, R. Chattopadhyaya, T. Das	"Securing And Hiding Texts Using Archimedean Spiral Technique With Image Steganography"	International Journal of Computer Engineering and Applications, Volume IX, Issue IV, April 15, pp 77-85	Journal	International	ISSN 2321-3469
6.	S. Sahana, G. Dey, M.	"Adaptive Steganography	IOSR Journal of Computer	<i>Journal</i>	International	DOI: 10.9790/0661

	Ganguly, P. Paul, S. Paul	Based Enhanced Cipher Hiding Technique for Secure Data Transfer”	Engineering (IOSR-JCE) e-ISSN: 2278-0661,p-ISSN: 2278-8727, Volume 17, Issue 2, Ver. V (Mar – Apr. 2015), PP 55-60			-17255560 indexed in ANED-DDL (Digital Data link) number is 11.0661/iosr-jce-H017255560, ESCI MML (Manuscript Mapping Link) number is 0661-1702-0560
7.	R. Bose, S. <b>Sahana</b> , D. Sarddar	“An Efficient Model of Distribution and Storage of Big Data across Cloud-based Nodes using Billboard Manager”	International Journal of Scientific & Engineering Research Volume 6, Issue 5, May-2015pp 1556-1565 DOI-10.14299/ijser.2015.05.006	Journal	International	ISSN 2229-5518
8.	D. Sarddar, R. Bose, S. <b>Sahana</b>	“A Novel Approach on Weight Based Optimized Routing for Mobile Cloud Computing”	Brazilian Journal of Science and Technology DOI:10.1186/s40552-015-0008-xpublished on 27 June 2015	Journal	International	ISSN: 2196-288X
9.	R. Bose, S. <b>Sahana</b> , D. Sarddar	“An Energy Efficient Dynamic Schedule based Server Load Balancing Approach for Cloud Data Center”	International Journal of Future Generation Communication and Networking Vol. 8, No. 3 (2015), pp. 123-136http://dx.doi.org/10.14257/ijfgcn.2015.8.3.12	Journal	International	ISSN: 2233-7857
10	R. Bose, S. <b>Sahana</b> , D. Sarddar	“An Adaptive Cloud Service Observation using Billboard Manager Cloud Monitoring Tool”	International Journal of Software Engineering and Its Applications Vol. 9, No. 7 (2015), pp. 159-170 http://dx.doi.org/10.14257/ijseia.2015.9.7.17( <b>Scopus indexed</b> )	Journal	International	ISSN: 1738-9984

11	R. Bose, S. Sahana, D. Sarddar	“An Enhanced Storage Management Scheme with Search Optimization for Cloud Data Center”	International Journal of Applied Engineering Research Volume 10, Number 12 (2015) pp. 32141-32150( <b>Scopus indexed</b> )	Journal	International	ISSN 0973-4562
12	Akash Pal, Avinandan Sau, Debolina Das, Sukanta Shrama, Madhuchhand a Dasgupta	"An approach for identification using ear and face biometrics employing wavelet based image fusion and SIFT feature detection in surveillance system"	International Journal of Advanced Research in Computer and Communication Engineering, Vol. 4, Issue 4, pp 74-80. DOI 10.17148/IJARCC E.2015.4417, April 2015.	Journal	International	ISSN(online) 2278-1021 ISSN((print) : 2319-5940
13	Madhuchhand a Dasgupta	"Development and Simulation of a Simple Clustering Algorithm for Biomedical Sensors Management Deployed For Creating Large Number of Patient Monitoring Environment"	International Journal of Computer Applications in Engineering Sciences, , Vol. V, Issue II, June 2015			ISSN: 2231-4946
14	Sumanta chatterjee, Archisman Chakraborty	"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"	2 <sup>nd</sup> International conference on microelectronics, Circuits and Systems (Micro-2015). International Association of Science, Technology and Management. July, 11 <sup>th</sup> -12th, 2015, Kolkata.	Conference		ISBN NO: 81-85824-46-0



1. P Samaddar, S Nandi, S Nandy, DC Sarkar, PP Sarkar, "Prediction of resonant frequency of a circular patch frequency selective structure using artificial neural network", *International Journal of Physics, Springer India*, pp.1-7, 2014.
2. Dr. PSJ Kumar, "Wavelet Sub-band block coding based lossless High Speed Compression of Compound Image", *IJARCSST*, Vol.2, Issue 3, , pp. 259-264, September '2014.
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5. Dr. PSJ Kumar, Prashant Thapliyal, "Continuous Controller Design for the Boost Converter via PSIM", *International Journal of Advanced Technology in Engineering and Science* ,Vol. 2, Issue 7, July'2014,
6. Prashant Thapliyal, Dr. PSJ Kumar, "Transcribing DSP based Digital Control Method for DC-DC Converter", *International Journal of Electrical and Electronics Research*, Vol.1, Issue.1, pp: 46-52, Feb'2014.
7. Pallavi Kashyap, Mr. Venkateswarlu, Dr. PSJ Kumar, "Review on wind power parameters and wind turbine generators", *International Journals of Electrical, Electronic and Mechanical Controls*, Vol.3, Issue 1, pp: 56-64, January'2014.
8. D. P. Singh, J. P. Choudhury, M. De ,," A comparative study on principal component analysis and factor analysis for the formation of association rule in data mining domain" , 2nd International Conference on Mathematical, Computational and Statistical Sciences (MCSS '14) , ISBN: 978-960-474-380-3, Indexed :ISI (Thomson Reuters) , Gdansk, Poland May 15-17, 2014.
9. Nath, M. Chatterjee, U. Bhattacharya "A Survey on Regenerator Placement Problem in Translucent Optical Network", IEEE CSCITA, IEEE Bombay Section. [IEEE Explore], 2014.
10. Ira Nath, Trisha Gorai, "A Modified Version of DMAC Clustering Algorithm in MANET", *IJCSCMC*, ISSN 2320-088X, Vol. 3, Issue. 6, pg.133 – 143, June 2014.
11. Ira Nath, Soumitra Das, "Mobility Based Clustering Algorithm for Ad Hoc Network", *IJARCSSE* , ISSN: 2277 128X, Volume 4 Issue 6, June- 2014.

12. Ira Nath, Prosenjit Chakraborty, “REVIEW OF VARIOUS ATTACKS & A NEW SECURE DATA TRANSMISSION MECHANISM FOR MANET”, **accepted in IJCSE**, E-ISSN: 2347-2693, Volume-2, Issue-6, 2014.
13. Abhijit Sarkar, Apurba Paul, Anupam Mondal, Abhijit Ghosh, “A unique approach for Market Basket Analysis under the framework of Probability Based Association Rule Learning” , Special Issue of International Journal of Computer Applications in Engineering Sciences; Journal ( **International Journal of Computer Applications in Engineering Sciences-IJCAES**), ISSN-2231-4946, Volume IV, page:8-14, Journal Impact factor/SCI Index No. 0.395. Year of publication 2014.
14. Abhijit Sarkar, Apurba Paul, Anupam Mondal, “A Radical Approach for Bengali Proper Verb, Tense, Person Tagging and Disambiguation of verb under the framework of Natural Language Processing “,National Conference on Emerging Trends in Engineering and Science-ETES, ISBN:- 13-978-93-392-0316-0. Year of publication 2014.
15. Nilanjan Dey, Monalisa Dey, Sainik Kumar Mahata, Achintya Das, Sheli Sinha Chaudhuri , “Tamper detection of electrocardiographic signal using watermarked bio-hash code in wireless cardiology” ,*International Journal of Signal and Imaging Systems Engineering*, (Inderscience Publications), Accepted.
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17. Suvojit Acharjee, Nilanjan Dey, Sainik Kumar Mahata, Monalisa Dey, Sheli Sinha Chaudhuri, “Optimized Motion Vector Estimation using Cuckoo Search”, communicated at CIEC14, Calcutta University, IEEE Sponsored Conference.
18. Sainik Kumar Mahata, Monalisa Dey, Subhranil Som, “A Novel Approach for Cryptography using Rounded Cipher and Triangulation”,National Conference on Emerging Trends in Engineering and Sciences, sponsored by IEEE (Kolkata Chapter) and IETE, Tata McGraw Hill Proceedings, ISBN: 978-93-392-0316-0, January, 2014.
19. Aniruddha Mukherjee, Goutami Dey, Monalisa Dey , Nilanjan Dey, “Web-based Intelligent EEG signal Authentication and Tamper Detection System for Secure Telemonitoring” by communicated at Brain-Computer Interfaces: Current Trends and Applications by Springer-Verlag, (Springer Book Chapter) Accepted, 2014, Germany.

20. Sumanta Chatterjee, “National conference on Emerging Trends in Engineering and Science” , ETES-2014 ISBN-13:978-93-392-0316-0, January 2014, at Asansol Engineering College.
21. Sumanta Chatterjee , “Implementation Of Data Mining and Concept of Quality Value in Demand Analysis”, International Conference on Emerging Trends in Business and Economy: Mapping the way ahead. ICETBE-2014, Jaipur, Rajasthan.
22. Sumanta Chatterjee , “Bandwidth Reservation Scheme For Keeping The Call Dropping Probability Low In Cellular Network”, International Conference on multitrack conference on science,Engineering and Technical Innovations. IMTC-2014 at CT institute of Technology,Jalandhar, Punjab,India.
23. S.Sahana, A. Kundu “Diagonal Block Steganography Based Enhanced Auxiliary Key Crypting for Secure Data Transfer” in **International Journal of Advanced Research in Computer Engineering & Technology**, ISSN: 2278 – 1323, volume 3, issue 10, October 2014.
24. A. Kundu, S. Sahana “Dynamic Size Based Cipher Aided Image Steganography Technique for Network Security Enhancement” in **International Journal of Advanced Research in Computer Science and Software Engineering**, ISSN: 2277 – 128X , volume 4, issue 10, October 2014.
25. S.Sahana, A. Kundu “A Novel Approach on Adaptive Block Steganography Based Crypting Technique for Secure Message Passing” in **International Journal of Computer Science and Engineering** volume 2 issue 12, December 2014, (ISSN:2347-2693 ) pp 42-46

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2. PSJ Kumar, Dr. Gagan Singh, “Performance evaluation of H.264 AVC using CABAC Entropy coding for Image Compression”, *ICACCS, Atlantis Press*, pp: 320-326, January’2013, Dubai.
3. PSJ Kumar, Dr. Venkateswaran, “Neural network based block classification of compound images”, *Journal of International academic research for multidisciplinary*, Vol.1. No.1, pp: 43-51, January’2013.
4. Pranati Rakshit ,”Detection of presence of parasites in human RBC in case of diagnosing malaria using image processing”, *IEEE 2013 second International conference on Image Information Processing(ICIIP)*.
5. Pranati Rakshit and Kriti Bhowmik,“Detection of Abnormal Findings in Human RBC in Diagnosing Sickle Cell Anaemia Using Image Processing, *International Conference on Computational Intelligence: Modeling, Techniques and Applications (CIMTA- 2013)*, Elsevier Procedia Technology 10 ( 2013 ) 28 – 36.
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8. D. P. Singh, J. P. Choudhury, M. De , “An Effort to Developing the Knowledge Base in Data Mining by Factor Analysis and Soft Computing Methodology”, *International Journal of Scientific & Engineering Research (IJSER)*, Vol. 4, issue No. 9, pp. 1912-1923, September, 2013.
9. D. P. Singh, J. P. Choudhury, M. De ,”Comparative and Comprehensive Study to Select a Soft Computing Model in the Data Mining Domain”, *Proceeding International Conference on Computation and Communication Advancement (ICA3)*, pp. 112-116, 12-13 January, 2013, Kalyani, India.

10. I. Nath, R. Chaki, “RFBH: A New Reliable Fuzzy Logic Based Black Hole Attack Prevention System in MANET”, Published in National Conference on Signal Processing, Instrumentation and Communication, IEEE Malabar Subsection, 29th & 30th NOVEMBER 2013.
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14. Anupam Mondal, Sainik kumar Mahata, Pinaki Majumdar, “A Pictorial Block Steganography based Secure Algorithm for Data Transfer”, national conference ISBN No/ISSN No. 973-93-80873-34-0 .
15. Anupam Mondal, Joy Samadder, Ivy Mondal, “A Novel Approach for Secure Data Transfer Based on Steganography using Block Encryption “*International Journal of Computer Applications (IJCA)*, ISBN No/ISSN No. 973-93-80873-34-0 , Peer Reviewed, Impact Factor: 0.814.
16. Sainik Kumar Mahata, Sikha Nogaja, Smita Srivastava, Monalisa Dey, Subhranil Som ,“A Novel Approach to Cryptography using Modified Substitution Cipher and Hybrid Crossover Technique” ,*International Journal of Computer Applications*, Special issue on CCSN 2013, ISSN: 0975-8887, December 2013, organized by Purushottam Institute of Technology, Rorkella, Odhisha. India,
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18. Sumanta chatterjee ,“Developing Model of E- Marketing Plan By Demand Analysis”, International conference on challenges and opportunities in Asian Economics, Feb-2013, Poornima Institute of Technology, Poornima University, Jaipur.

19. Sumanta chatterjee, “ Delay analysis and implementation of new delay models in VHDL ”, National conference on Control communication & Device Electronics, N3CD-2013, JISCE.
20. Sumanta chatterjee, “Diagnosis and Troubleshooting of computer faults based on expert system and artificial Intelligence”, International Journal of Pure and Applied Mathematics, ISSN: 1311-800 (Printed Version) ISSN:1314-3395 (Online Version). [url:http://www.ijpam.eu](http://www.ijpam.eu) , Volume 83 issue no:5 page no. 717-729, 2013.
21. S. Sahana, A. Chaudhuri, S.DasGupta, S.B.Saha, "Sucure Authentication Based Hierarchical Routing for Vanet" published on the McGraw- Hill proceedings of the International Conference on Computation and Communication Advancement (IC3A 2013) on 11<sup>th</sup> -12<sup>th</sup> January 2013.
22. S. Bhattacharyya, A. Chaudhuri, S. Sahana, S.Banerjee, "Space Specific Remote Compilation Cloud Service in ZK Environment" published on the McGraw- Hill proceedings of the International Conference on Computation and Communication Advancement (IC3A 2013) on 11<sup>th</sup> -12<sup>th</sup> January 2013.
23. S. Sahana, A. Kundu, A. Pal “Crypt Arithmetic Stego Based Encryption Algorithm For Secure Data Transfer” published on *International Journal of Computer Applications*. (ISBN: 973-93-80879-46-7)
24. S. Sahana, J. Sen, C. Mondal “ Secure Adaptive N-cryption (SAN) – A Secure Algorithm for Data Transmission”, *International Journal of Computer Applications in Engineering Sciences* (ISSN: 2231-4946) ,Volume III, Special Issue, November 2013 .
25. S. Sahana, A. Pal, A. Chakroborty “Optimized Block Steganography Based Crypt Encryption for Secured Data Transfer” *International Journal of Computer Applications in Engineering Sciences* (ISBN: 973-93-80879-46-7), published in Volume III, Special Issue, November 2013.
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29. Sainik Kumar Mahata, Monalisa Dey, Subhranil Som, “A Novel Approach for Block-Based Data Encryption” published in *International Journal of Computer Applications in Engineering Sciences*, ISSN: 2231-4946, Vol iii, Special issue on CCSN 2012, pp. 90-94, May 2013.
30. Madhuchhanda Dasgupta, B.Dey, Pranati Rakshit “A new 5 x 5 mask for edge detection of long distance small objects”, National conference on Control, Communication & Device Electronics, July 25-26, 2013, JISCE, Kalyani.

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2. Sudarshan Nandy, Partha Pratim Sarkar, Achintya Das, “Analysis of a Nature Inspired Firefly Algorithm based Back-propagation Neural Network Training”, Published by Foundation of Computer Science, New York, USA, *International Journal of Computer Applications* 43(22):8-16, April 2012.
3. Sudarshan Nandy, Partha Pratim Sarkar, Achintya Das, “Analysis of Statistical Hypothesis based Learning Mechanism for Faster Crawling”, *International Journal of Artificial Intelligence & Applications (IJAIA)*, Vol.3, No.4, Page no. 117-130, July 2012.
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