

JIS COLLEGE OF ENGINEERING
(AN AUTONOMOUS INSTITUTE)

PUBLICATIONS OF STUDENTS

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	Rajdeep Chowdhury, Rajdeep Bose, Nilanjan Sengupta, Mallika De	Logarithmic Formula Generated Seed Based Cryptographic Technique Using Proposed Alphanumeric Number System and Rubik Rotation Algorithm	Proceedings of IEEE 2012 International Conference on Communications, Devices and Intelligent Systems (CODIS), 28 th -29 th December, 2012, Jadavpur University, Kolkata, Pages 564-567	Conference	International	Proceedings in CD: IEEE Catalog Number- CFP1207U-CDR, ISBN-978-1-4673-4698-6, Proceedings in Print: IEEE Catalog Number- CFP1207U-PRT, ISBN-978-1-4673-4697-9, INSPEC Accession Number- 13285714, Published and Archived in IEEE Digital Xplore, ISBN-978-1-4673-4700-6
2	Rajdeep Chowdhury, Bikramjit Pal, Amitava Ghosh, Mallika De	A Data Warehouse Architectural Design Using Proposed Pseudo Mesh Schema	Proceedings of The First International Conference on Intelligent Infrastructure, CSI-2012, 47 th Annual National Convention of Computer Society of India, 01 st -02 nd December, 2012, Science City Auditorium, Kolkata, Pages 138-141	Conference	International	ISBN (13)- 978-1-25-906170-7, ISBN (10)-1-25-906170-1, Published by Tata McGraw Hill Education Private Limited

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3	Rajdeep Chowdhury, Sourabh Das , Anirban Shaw	Implementation and Incorporation of Workshops in Redesigning India's Higher Education Strata in the Global Ambience Purview	Proceedings of National Conference on Reshaping India's Higher Education Landscape for the Global Environment, 6 th November, 2012, Government College of Engineering and Technology, Bikaner, Pages 9–13	Conference	National	Published by Purva Education & Information Centre, ISBN–978-93-5104-110-8
4	Rajdeep Chowdhury, Saikat Ghosh , Mallika De	String Graphification Based Asymmetric Key Cryptographic Algorithm Using Proposed Concepts of GDC and S-Loop Matrix	Proceedings of IEEE/OSA/IAPR International Conference on Informatics, Electronics & Vision 2012, 18 th –19 th May, 2012, University of Dhaka, Dhaka, Bangladesh, Pages 1152–1157	Conference	International	Proceedings in CD: IEEE Catalog Number–CFP1244S-CDR, ISBN–978-1-4673-1152-6, Proceedings in Print: IEEE Catalog Number–CFP1244S-PRT, ISBN–978-1-4673-1151-9, Conference Proceedings: ISSN–2226 2105, INSPEC Accession Number–13058551, Published and Archived in IEEE Digital Xplore, ISBN–978-1-4673-1153-3, Listed in Thomson Reuter's Web of Science Database (Courtesy: Global Survey of Researchers – International Migration Institute, University of Oxford)

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5	Rajdeep Chowdhury, Saikat Ghosh	S-Commerce – Use and Impact on Society	Proceedings of National Conference on Sustainable Business Growth and Modern Management, 27 th –28 th April, 2012, JIS College of Engineering, Kalyani, Page 41 [Abstract]	Conference	National	
6	Saikat Ghosh , Rajdeep Chowdhury	Study of Software Based Data Hiding [SBDH] Using Trigonometry Based Key [TBK] Generation	Proceedings of 3 rd All India Inter Engineering College Academic Meet 2012, 30 th –31 st March, 2012, Forum of Scientists, Engineers and Technologists and Calcutta Institute of Engineering and Management, Kolkata, Paper Code–E-057C&I-10, Page–E7 [Abstract]	Conference	National	Awarded Winner of 1 st prize in the Best Paper category with a Cash Award amount of Rs. 3000
7	Saikat Ghosh , Rajdeep Chowdhury	All-In-One Housekeeper	Proceedings of 3 rd All India Inter Engineering College Academic Meet 2012, 30 th –31 st March, 2012, Forum of Scientists, Engineers and Technologists and Calcutta Institute of Engineering and Management, Kolkata, Paper Code–E-041C&I-06, Page–E4 [Abstract]	Conference	National	
8	Saikat Ghosh , Rajdeep Chowdhury	Rain Water Harvesting Through the Proposed SR Model	Proceedings of 3 rd All India Inter Engineering College Academic Meet 2012, 30 th –31 st March, 2012, Forum of Scientists, Engineers and Technologists and Calcutta Institute of Engineering and Management, Kolkata, Paper Code–B-042C&A-03, Page–B3 [Abstract]	Conference	National	

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9	Amitava Ghosh, Rajdeep Chowdhury	Design and Implementation of E-Shopping Web Cart	Proceedings of 3 rd All India Inter Engineering College Academic Meet 2012, 30 th -31 st March, 2012, Forum of Scientists, Engineers and Technologists and Calcutta Institute of Engineering and Management, Kolkata, Paper Code-E-103C&I-17, Page-E13 [Abstract]	Conference	National	
10	Rajdeep Chowdhury, Nilanjan Dey, Saikat Ghosh	Design and Implementation of RNS Model Based Steganographic Technique for Secured Transmission	International Journal of Advanced Research in Computer Science and Software Engineering, Volume-2, Number-3, March, 2012, Pages 132-136	Journal	International	ISSN-2277 6451 (P), ISSN-2277 128X (O), Journal Impact Factor-2.5, Science Central Evaluation Score-6.39
11	Rajdeep Chowdhury, Mahuya Das, Saikat Ghosh	Computational Modeling of Resistivity of Multi Walled Carbon NanoTube Polymer Composites	Proceedings of National Conference on Synthesis, Characterization and Simulation in Nanoscience and Nanotechnology, 24 th -25 th February, 2012, JIS College of Engineering, Kalyani, Page 79 [Abstract]	Conference	National	ISBN-978-81-9230349-9
12	Saikat Ghosh, Rajdeep Chowdhury	Study of Software Based Data Hiding [SBDH] Using Trigonometry Based Key [TBK] Generation	Thought-A Socio Technical Round Up, 3 rd Academic Meet 2012 Special Issue, Volume -15, Issue-1 & 2, January-June, 2012, Pages 21-23	Journal	National	Registration Number-65118/96, Declaration Number-62/97

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13	Sayanti Roy, Zinkar Das, Rajdeep Chowdhury, Biswarup Neogi, Sunit Ghosh Majumdar	Study, Analysis and Implementation for Enhancement and Improvement of Low Cost Solar Powered Lighting System Using CFL Technology from Indian Perspective	Research Journal of Science and Technology, Volume-5, Number-4, October-December, 2013, Pages 454-461	Journal	International	ISSN-0975 4393 (P), ISSN-2349 2988 (O)
14	Rajdeep Chowdhury, Sourajit Ghosh, Prasenjit Chatterjee	Multi-phase Encryption Technique as an Approach for Cryptography in Communication	Proceedings of National Conference on Control, Communication & Device Electronics (N3CD-2013), 25 th -26 th July, 2013, JIS College of Engineering, Kalyani, Paper Code-ID0262N85m, Page-392 [Abstract]	Conference	National	
15	Rajdeep Chowdhury, Sohini Basu, Amitava Ghosh	Incorporation of Intermediate Super Peer into P2P File Sharing System for Improving Churn Rate	Proceedings of National Conference on Control, Communication & Device Electronics (N3CD-2013), 25 th -26 th July, 2013, JIS College of Engineering, Kalyani, Paper Code-ID0262N78m, Pages 372-379	Conference	National	
16	Rajdeep Chowdhury, Bapai Saha, Mallika De	Towards Design and Implementation of Logarithmic Function Based Iterative Key Generating Cryptographic Technique for Secured Transmission	Proceedings of National Conference on Control, Communication & Device Electronics (N3CD-2013), 25 th -26 th July, 2013, JIS College of Engineering, Kalyani, Paper Code-ID0262N42m, Pages 333-339	Conference	National	

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17	Rajdeep Chowdhury, Amitava Ghosh, Harsh Vardhan Mandhyan, Mallika De	Geo-Encryption Technique for Exchanging Information Using Positional Parameters in Shuffled Order Through QR Code Applying Selection Sort	Proceedings of IEEE/OSA/SICE/ICROS/IEEE PAMI-TC 2 nd International Conference on Informatics, Electronics & Vision 2013, 17 th -18 th May, 2013, University of Dhaka, Dhaka, Bangladesh, Page-39 [Abstract]	Conference	International	Proceedings in CD: IEEE Catalog Number- CFP1344S-CDR, ISBN-978-1-4799-0399-3, Proceedings in Print: IEEE Catalog Number- CFP1344S-PRT, ISBN-978-1-4799-0398-6, Published and Archived in IEEE Digital Xplore
18	Amitava Ghosh, Harsh Vardhan Mandhyan, Rajdeep Chowdhury	Geo-Encryption Technique for Exchanging Positional Parameters in Shuffled Order Through QR Coded Image	Proceedings of 4 th All India Inter Engineering College Academic Meet 2013, 22 nd -23 rd March, 2013, Forum of Scientists, Engineers and Technologists and Modern Institute of Engineering and Technology, Bandel, Paper Code-194-C&I-51, Page-53 [Abstract]	Conference	National	Awarded Winner of 2 nd prize in the Best Paper category with a Cash Award amount of Rs. 2000
19	Rajdeep Chowdhury, Saikat Ghosh	Software Based Data Hiding Technique [SBDHT] Using Trigonometry-Based Key [TBK] and 3D Mesh Generation	Business Management and Information Technology, First Edition, Excel Books, 8 th February, 2013, Chapter-70, Pages 672-684	Book Chapter	International	ISBN-978-93-5062-253-7

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20	Rajdeep Chowdhury, Saikat Ghosh	Implementation of Rain Water Harvesting Through the Effectual Working of Proposed RS Model	International Journal of Technology, Volume-4, Number-2, July-December, 2014, Pages 291-295	Journal	International	ISSN-2231 3907 (P), ISSN-2231 3915 (O)
21	Rajdeep Chowdhury, Indrani Banerjee	Grey Scale Image Enhancement Using Proposed Modified Histogram Equalization Algorithm	Research Journal of Engineering and Technology, Volume-5, Number-4, October-December, 2014, Pages 217-222	Journal	International	ISSN-0976 2973 (P), ISSN-2321 581X (O)
22	Rajdeep Chowdhury, Soumya Kanta Dey, Soupayan Datta, Sweta Shaw	Design and Implementation of Proposed Drawer Model Based Data Warehouse Architecture Incorporating DNA Translation Cryptographic Algorithm for Security Enhancement	Proceedings of International Conference on Contemporary Computing and Informatics, 27 th -29 th November, 2014, Sri Jayachamarajendra College of Engineering, Mysore, Pages 55-60	Conference	International	Proceedings: IEEE Part Number-CFP14AWQ-ART, Proceedings in USB: CFP14AWQ-USB, ISBN-978-1-4799-6628-8, INSPEC Accession Number-14881472, Published and Archived in IEEE Digital Xplore, ISBN-978-1-4799-6629-5
23	Rajdeep Chowdhury, Prasenjit Chatterjee, Pubali Mitra, Olive Roy	Design and Implementation of Security Mechanism for Data Warehouse Performance Enhancement Using Two Tier User Authentication Techniques	International Journal of Innovative Research in Science, Engineering and Technology, An ISO 3297:2007 Certified Organization, Volume-3, Special Issue-6, February, 2014, Pages 165-172	Journal	International	ISSN-2347 6710 (P), ISSN-2319 8753 (O), Journal Impact Factor-1.682, InnoSpace-Scientific Journal Impact Factor-6.209

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24	Rajdeep Chowdhury, Prasenjit Chatterjee , Pubali Mitra , Olive Roy	Design and Implementation of Security Mechanism for Data Warehouse Performance Enhancement Using Two Tier User Authentication Techniques	Proceedings of National Conference on Emerging Technology and Applied Sciences – 2014 (NCETAS 2014), 15th–16th February, 2014, Modern Institute of Engineering and Technology, Bandel, Pages 441–449	Conference	National	
25	Rajdeep Chowdhury, Biswarup Neogi, Zinkar Das , Prasenjit Chatterjee , Sourajit Ghosh	Advancement and Up Gradation Aspects En Route for Enhancement of Rubber Plant Industry Performance by Introducing Scholastic Support through the Proposed CDGN Model	Proceedings of 2014 1 st International Conference on Non Conventional Energy (ICONCE), 16th–17th January, 2014, JIS College of Engineering, Kalyani, Pages 413–417	Conference	International	Proceedings in CD: ISBN–978-1-4799-3338-9, Proceedings in Print: ISBN–978-1-4799-3339-6, INSPEC Accession Number–14268691, Published and Archived in IEEE Digital Xplore, ISBN–978-1-4799-3340-2, Awarded Winner in the Best Poster Paper category with Best Poster Paper Certificate

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26	Bikramjit Pal, Rajdeep Chowdhury, Prasenjit Chatterjee, Saswata Dasgupta, Mallika De	Performance Enhancement of Data Warehouse Using Minimization of Query Processing Proposal to Improve ROI	International Journal of Application or Innovation in Engineering and Management, Volume-4, Issue-12, December, 2015, Pages 35-42	Journal	International	ISSN-2319 4847, Indexed in Thomson Reuters – Science Citation Index, Indexed in SCOPUS, Indexed in Thomson Reuters Researcher ID-N-6095-2015, Included in Thomson Reuters Master Journal List, International Society for Research Activity (ISRA) Journal Impact Factor-5.427
27	Rajdeep Chowdhury, Soupayan Datta, Saswata Dasgupta, Mallika De	Implementation of Central Dogma Based Cryptographic Algorithm in Data Warehouse Architecture for Performance Enhancement	International Journal of Advanced Computer Science and Applications, Volume-6, Number-11, November, 2015, Pages 29-34	Journal	International	ISSN-2158 107X (P), ISSN-2156 5570 (O), Indexed in Thomson Reuters – Science Citation Index, Included in Thomson Reuters Master Journal List with Emerging Sources Citation Index
28	Shekhar Kumar Hela, Olive Roy, Rajdeep Chowdhury, Sumanta Bhattacharya	Proposed Three-Tier Model on Using E-Waste for E-Generation Management to Enhance Corporate Social Responsibility: A Rural India Digitization and Empowerment Perspective	Proceedings of 6 th All India Inter Engineering College Academic Meet 2015, 26th April, 2015 , Forum of Scientists, Engineers and Technologists and MCKV Institute of Engineering, Liluah, Paper Code-0628-CEP-04, Page-66 [Abstract]	Conference	National	

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29	Rajdeep Chowdhury, Ipshita Bhattacharya, Nirmita De, Subhajit Saha	Double Ended Bottom-Up Approach of Data Warehouse Architecture Employing Country ISO Code Engendered Cryptographic Algorithm	Proceedings of TEQIP Sponsored International Conference on Industry Interactive Innovations in Science, Engineering and Technology (I3SET-16), 25 th -26 th October, 2016, JIS College of Engineering, Paper ID-93, Proceedings Published in Springer-Lecture Notes in Networks and System [LNNS]	Conference	International	
30	Bikramjit Pal, Rajdeep Chowdhury, Kumar Gaurav Verma, Saswata Dasgupta, Subham Dutta	Proposed BRKSS Architecture for Performance Enhancement of Data Warehouse Employing Shared Nothing Clustering	International Journal of Control Theory and Applications, Volume-9, Issue-21, 2016, Published by International Science Press, Pages 111-121	Journal	International	Indexed in SCOPUS, ISSN-0974 5572
31	Rajdeep Chowdhury, Nirmita De, Ipshita Bhattacharya, Subhajit Saha	HyPerBase Key [HPBK] and Modified ASCII Chart [MAC] Based Cryptographic Technique	Proceedings of National Conference on Advanced Computation on Electronics and Remote Sensing (NCACERS-16), 19 th -20 th August, 2016, Narula Institute of Technology in Association with IEEE GRSS, Paper Code-NCACERS-12	Conference	National	
32	Priangsu Roy Chowdhury, Abhisweta Deb, Rajdeep Chowdhury	Design and Implementation of WAVE: An Innovative and Accessible Web Browser	International Journal of Advance Research in Science and Engineering, Volume-5, Issue-5, May, 2016, Pages 367-374	Journal	International	ISSN-2319 8354, International Directory of Indexing and Impact Factor (IDIIF) Journal Impact Factor-2.83

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33	Priangsu Roy Chowdhury, Abhisweta Deb, Rajdeep Chowdhury	Design and Implementation of WAVE: An Innovative and Accessible Web Browser	Proceedings of 4 th International Conference on Science, Technology and Management, 15 th May, 2016, India International Centre, New Delhi, Pages 1101–1108	Conference	International	Published and Archived, ISBN–978-81-932074-8-2
34	Rajdeep Chowdhury, Jenifar Khan, Subham Sengupta, Saswata Dasgupta, Soupayan Datta, Mallika De	Dynamic Referencing Data Warehouse Employing Proposed Time Integrated Seed Based Element Engendered Cryptographic Algorithm	Proceedings of ACM Symposium on Women in Research 2016 (ACM–WIR 2016), ACM – International Conference Proceedings Series (ICPS), 21 st March, 2016, ACM's Women in Computing, Sri Aurobindo Institute of Technology, Indore, Paper ID–WIR–48, Pages–142–149	Conference	International	Published and Archived in ACM Digital Library, ISBN–978-1-4503-4278-0
35	Shubham Sengupta, Jenifar Khan, Saswata Dasgupta, Soupayan Datta, Rajdeep Chowdhury, Mallika De	Design and Implementation of Time Integrated Seed Based Element Engendered Cryptographic Algorithm	Proceedings of 7 th All India Inter Engineering College Academic Meet 2016, 13 th March, 2016, Forum of Scientists, Engineers and Technologists and Supreme Knowledge Foundation Group of Institutions, Paper Code–F73–C&I–12	Conference	National	Awarded Winner of 1 st prize in the Best Paper category with a Cash Award amount of Rs. 2000
36	Rajdeep Chowdhury, Prasenjit Chatterjee, Soupayan Datta, Mallika De	Pseudo Mesh Schema based Data Warehouse Architecture Employing Encryption Request Algorithm and Intelligent Sensor Algorithm for Secured Transmission and Performance Enhancement	Proceedings of 3rd International Conference on Foundations and Frontiers in Computer, Communication and Electrical Engineering, C2E2 2016, 15 th –16 th January, 2016, Supreme Knowledge Foundation Group of Institutions (SKFGI), Mankundu, Hooghly, West Bengal, Pages–467–470	Conference	International	Proceedings: CRCnet BASE Part Number–CAT#K27289, Published and Archived in CRC Press – Taylor & Francis Group, ISBN–978-1-1380-2877-7 & ISBN–978-1-3156-5791-2 {e-Book }

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37	Sanchita Pal, Saswata Dasgupta, Rajdeep Chowdhury	Design and Implementation of Dynamic Matrix Based Cryptographic Algorithm for Proposed Data Warehouse Architecture Ensuring Performance Enhancement	Proceedings of 8 th All India Inter Engineering College Academic Meet 2017, 19th March, 2017 , Forum of Scientists, Engineers and Technologists and Guru Nanak Institute of Technology, Paper Code–C&I–21	Conference	National	
38	Madhuja Bhaumik, Suparna DasGupta, Soumyabrata Saha	Affinity Based Clustering Routing Protocol for Vehicular Ad hoc Networks	Procedia Engineering 38 (2012) 673 – 679		International	
39	Sudipta Sahana Soumyabrata saha, Suparna DasGupta	Weight Based Hierarchical Clustering Algorithm for Mobile Ad hoc Networks	Procedia Engineering 38 (2012) 1084 – 1093		International	
40	Arpita Chaudhuri, Suparna DasGupta, Soumyabrata Saha	Identity Based Secure Algorithm for VANET	Procedia Engineering 38 (2012) 165 – 171		International	
41	S. Mandal, A. Saha	Memristors Act as Synapses in Neuromorphic Architectures	IEEE International Conference on Communication and Electronics Systems (ICCES 2016), pp. 788-791, 21 st October 2016	Conference	International Conference IEEE Explore proceedings	ISBN:978-1-5090-1065-3
42	S. Mandal, S. Chakraborty,	The Next Generation Resistive Switching Devices	International Conference on Recent Innovations In Engineering and Technology (ICRIT-2K16), Track: Comp. Sc. & Tech, Sl no.18, 5 th November 2016 .	Conference	International Conference IIRAJ proceedings	ISBN: 978-93-86163-56-1
43	S.Mandal, S. K. Pandey, S. Roy, S. Kumar	The Missing Fundamental Element: Memristor	National Seminar on Application of Mathematics in Technology and Management (NSAMTM 2016) Narula Institute of Technology, India, 8 th September 2016	Seminar	National	

