Journals

- 1. D. K, Yadav, Sandip Dutta, "Study on regression test selection techniques for object oriented programming", <u>International Journal of Applied Engineering</u> Research, 9(22):12259-12278 · January 2014
- Sahana,S,K., Aruna Jain and Mahanti,P.K. (2014), "Ant Colony Optimization for Train Scheduling: An Analysis", I.J. Intelligent Systems and Applications, ISSN-2074- 904X(print),2074-9058(online), Vol 6,No 2, pp 29-36, 2014, doi:10.5815/ijisa.2014.02.04
- 3. Ranju Khemka, Aruna Jain (2014), "Hybrid Web Caching Framework for Reduction of Web Latency", International Journal of Research in Engineering and Technology (IJRET), Vol. 3 Issue 4, pp. 836 841, 2014.
- 4. Sirshendu Sekhar Ghosh and Aruna Jain (2014), "Energy Efficient Proxy Prefetch- Cache Framework in Clustered Architecture", International Journal of Computer Technology and Applications (IJCTA), Vol. 5, Issue 2, pp. 669 677, ISSN: 2229-6093, ISO 3297:2007, 2014. Indexing: Scopus
- 5. Sirshendu Sekhar Ghosh and Dr. Aruna Jain (2014), "Power Aware Hybrid Proxy Cache- Prefetch Model using Combined Energy Conservation Policies", International Journal of Computer Science and Information Technologies (IJCSIT), ISSN: 0975-9646, Vol. 5, Issue 1, pp. 75 83. 2014. Indexing: Scopus
- 6. Sweta Sinha, Aruna Jain (2014), "Speech Processing for Hindi Dialect Recognition", Advances in Signal Processing and Intelligent Recognition Systems (AISC Series), Springer International Publishing, DOI: 10.1007/978-3-319-04960-1_14, Vol. 264, pp. 161-169, 2014.
- Chandrashekhar Azad, Sanjay Jain and Vijay Kumar Jha (2014). Design and Analysis of Data Mining Based Prediction Model for Parkinson's disease. International Journal of Computer Science Engineering (IJCSE). ISSN: 2319-7323. Volume 3 Issue 3.Indexed in DBLP.
- 8. Sanjay Jain, Chandrashekhar Azad and Vijay Kumar Jha. (2014). STEEL FAULTS DIAGNOSIS USING PREDICTIVE ANALYSIS. International Journal of Computer Engineering and Applications. ISSN: 23213469. Volume 4 issue 2/3. Indexed in DBLP
- Chandrashekhar Azad and Vijay Kumar Jha. (2014). Data Mining based Hybrid Intrusion Detection System. Indian Journal of Science and Technology. ISSN: 0974- 6846(Print), ISSN: 0974-5645(Online). Volume 7 issue 6. 781-789. Indexed in Scopus and ISI (Thomson Reuters).
- 10. Chandrashekhar Azad and Vijay Kumar Jha. (2014). An Ensemble Classifiers based. Prediction model for Diagnosis of Parkinson's Disease. IT Floors "A journal Mapping Lanes of Information Technology. ISSN: 22779639. Volume 3. Issue I & II.

- 11. Ranjeeta Jha, Abhaya, Vijay Kumar Jha. "A Review on Credit Card Fraud Detection Techniques." International Journal of Engineering Research & Technology. ISSN:2278-0181. Volume 3 Issue 4(2014).
- 12. Sourav Debnath, and Vijay Kumar Jha. "CLASSIFICATION BASED NOVEL FRAMEWORK FOR NETWORK TRAFFIC ANALYSIS IN CLOUD COMPUTING."International Journal of Computer Engineering and Applications, Volume VI, Issue III. ISSN: 2321-3469. Volume 4 Issue 3(2014).
- 13. Bal Ram and Karn, Bhaskar (2014) "Use of U.G.C. Infonet Consortia on the Users of Universities in Jharkhand: a Study". INFOLIB a Quarterly Bulletin of Jharkhand Information and Library Association, vol.7, 1-4, pp.109-116.
- 14. Singh, N.K., Chakraborty, S. and Mallick, D.K., "A new look at worst case complexity: A statistical approach." International Journal of Analysis, Vol. 2014, Article ID 840432. Indexed in Mathematical Reviews and Zentralblatt MATH database].
- Singh, N.K., Chakraborty, S. and Mallick, D.K., "A statistical peek into average case complexity. Int. J. Experimental Design and Process Optimisation, Vol. 4, No. 2, pp. 116-142. 2014. [Indexed in Inspec (IET)].
- 16. Vaibhav Soni and Dheeresh K. Mallick, "Location Based Routing Protocols in Wireless Sensor Networks: A Survey", International Journal of Internet Protocol Technology, Vol. 8, No. 4, 2014, pp. 200-213. (InderScience, Scopus)
- 17. K Singh and Amritanjali, Enumerating All Parsimonious Sequences of Reversals and Translocations, Int. Journal of Basic and Applied Biology, vol. 2(2), pp. 7-12, 2014.
- 18. B Tripathi and Amritanjali, An Improved Algorithm for Reducing the Solution Space for Sorting by Reversals, Int. Journal of Basic and Applied Biology, pp. 23-27, 2014.
- 19. Shruti Garg, G. Sahoo, Analysis of Crack Filling Filters for Restoration of Old Digital Paintings, published in International Journal of Applied Engineering Research, Vol. 9, No. 24, 2014, pp. 26225-26242, Research India Publication, ISSN: 0973-4562.(Scopus Indexed).
- 20. Shruti Garg, G. Sahoo, Classification of Cracks and Brush Strokes in Old Digital Paintin**gs**, International Journal of Recent Trends in Engineering and Technology, Vol. 11, June 2014, pp. 493-502, ACEEE, ISSN: 2158-5563.
- 21. Subrajeet Mohapatra, Dipti Patra, and Sanghamitra Satpathi. An ensemble classifier system for early diagnosis of acute lymphoblastic leukemia in blood microscopic images. Neural Computing and Applications. Springer, 24(7–8): 1887–1904, 2014.
- 22. Sanchita Paul., Gadadhar Sahoo., "SWSA -LPR: A stochastic search strategy for estimation of ML DNA Phylogenetic tree", Applied Soft Computing, Elsevier, Vol. 18, 2014, pp: 104-114.
- 23. Dilip Kumar Choubey, Sanchita Paul, "Soft Computing Approaches for Diabetes Disease Diagnosis: A Survey", International Journal of Applied Engineering Research (IJAER), Volume 9, Number 21, pp. 11715-11726, (2014).
- 24. Shailendra Kumar Singh, Dr. Sanchita Paul, Dhananjay Kumar, Hanifa Arfi. "Sentiment Analysis of Twitter data Set: Survey", International Journal of Applied Engineering Research, Volume 9, Number 22 (2014) pp. 13925-13936.

- 25. Shailendra Kumar Singh, Sanchita Paul, Dhananjay Kumar., "Sentiment Analysis Approaches on Different Data set Domain: Survey", International Journal of Database Theory and Application, Vol.7, No.5 (2014), pp.39-50.
- 26. Tausif Anwar, Dr. Sanchita Paul, Shailendra Kumar Singh., "Message Transmission Based on DNA Cryptography: Review", International Journal of Bio-Science and Bio-Technology, Vol.6, No.5 (2014), pp.215-222.
- 27. 13. Raja Manish Singh, Sanchita Paul, Abhishek Kumar., "Task Scheduling in Cloud Computing: Review.", International Journal of Computer Science and Information Technologies, Vol. 5 (6), 2014, pp. 7940-7944.
- 28. Akshat Dhingra, Sanchita Paul, "Green Cloud: Towards Optimizing Data Centre Resource Allocation", International Journal of Engineering Research and Technology, Vol. 3, Issue 2, 2014, pages 1037-1042.
- 29. 16. Akshat Dhingra, Sanchita Paul, "Green Cloud: Smart Resource Allocation and Optimization using Simulated Annealing Technique", Indian Journal of Computer Science and Engineering. Vol.5, Issue 2, 2014, pages 40-48.
- 30. 17. Akshat Dhingra, Sanchita Paul, "Green Cloud: Heuristic based BFO Technique to Optimize
- 31. "Use of semantic web tools and technologies for social networking", 2014, International journal of engineering research and technology, Vol 3 Issue 7, pp 1352-1354.
- 32. "Searching a social networking site-shift from centralized database to metadata", September 2014, International journal of engineering research and technology, Vol 3 Issue 9, pp 767-770.
- 33. Sweta Kumari and Shashank Pushkar, Fuzzy Clustering and Optimization Model for Software Cost Estimation, International Journal of Engineering and Technology(IJET), Vol. 6(6), pp2531-2545 Dec 2014. ISSN 0975-4024
- 34. V K Saxena and Shashank pushkar, State-of-art in Storage Model using Encryption Technique for privacy preserving in Cloud Computing, International Journal of Computer Science and Information Technologies (IJCSIT), Vol. 5(1). 2014, pp.64-69. ISSN 0975-9646,
- 35. Mukta Majumdar, Sujan Kumar Saha. 2014. Automatic Selection of Informative Sentences: The Sentences That Can Generate Multiple Choice Questions. Knowledge Management & E-Learning: An International Journal. Vol. 6, No. 4, pages 377-391. ISSN: 2073-7904. [SCOPUS Indexed, Impact (SNIP) 2013: 1.052]
- 36. Mukta Majumdar, Sujan Kumar Saha. 2014. Use of Global Context for Handling Noisy Names in Discussion Texts of a Homeopathy Discussion Forum. Knowledge Management & E-Learning: An International Journal. Vol. 6, No. 1, pages 18 29. ISSN: 2073-7904. [SCOPUS Indexed, Impact (SNIP) 2013: 1.052]

- 37. S. Mal, K. Rajnish. "Coupling Metric for Understandability and Modifiability of a Package in Object-Oriented Design, I.J. Information Technology and Computer Science, 2014, 08, 72-78, Published Online July 2014 in MECS, DOI: 10.5815/ijitcs.2014.08.10, IF: 0.07.
- 38. S. Mal and K. Rajnish, "New Cohesion Metric: An Empirical View", International Journal of Multimedia and Ubiquitous Engineering Vol.9, No.6 (2014), pp.367- 376 http://dx.doi.org/10.14257/ijmue.2014.9.6.35, Index: Scopus
- 39. Amit Kumar Jakhar and Kumar Rajnish, "A New Cognitive Approach to Measure the Complexity of Software", International Journals of Software Engineering & Applications (IJSEIA), SCOPUS Indexed, Vol.8, No.7, pp.185-198, July-2014.
- 40. Amit Kumar Jakhar and Kumar Rajnish, "Measuring Complexity, development time and understandability of a Program: A Cognitive Approach", International Journal of Information Technology and Computer Science (IJITCS), vol. 06, No.12, pp.53-60, November- 2014.
- 41. Kumar Rajnish, "Class Complexity Metric to predict Understandability", International Journal of Information Engineering and Electronic Business (IJIEEB), MECS Publishers, Vol. 6, No.1, pp.69-76, IF: 0.12 based on the ISI Web of Knowledge, 2014
- 42. Kumar Rajnish, "Another New Complexity Metric for Object-Oriented Design Measurement", International Journal of Hybrid Information Technology, SERSC Publishers, Vol. 7, No. 2, 2014, pp. 203-216, Indexing: El Compendex.
- 43. Kumar Rajnish, "Theoretical Validation of Inheritance Metrics for Object-Oriented Design against Briand's Property", International Journal of Information Engineering and Electronic Business, Vol. 6, No.3, pp.28-33, IF: 0.12 Index: Citation Index based on ISI Web of Knowledge, 2014.
- 44. Snigdh, I. and Kumar, A., 2014. Ensuring Reliability of Backbone Architectures in Wireless Sensor Networks.
- 45. Snigdh, I. and Saurabh, S., 2014. A Multi Tree based Approach for Performance Analysis in Hierarchical Wireless Sensor Networks. *International Journal of Digital Information and Wireless Communications (IJDIWC)*, 4(4), pp.438-446.
- 49. Singh, N.K., Chakraborty, S. and Mallick, D.K., 2014. *A statistical peek into average case complexity*. Int. J. Experimental Design and Process Optimisation, Vol. 4, No. 2, pp. 116-142. [Indexed in Inspec (IET)].
- 50. Singh, N.K., Chakraborty, S. and Mallick, D.K., 2014. *A new look at worst case complexity: A statistical approach*. International Journal of Analysis, Vol. 2014, Article ID 840432. [Indexed in ESCI (Thomson Reuters), Mathematical Reviews and Zentralblatt MATH database].

51. Singh, N.K. et al., 2014. How many interchanges does the replacement sort make for discrete uniform input? International Journal of Applied Engineering Research, Vol. 9, No. 24, pp. 23515-23525. [Indexed in Scopus].

Conferences

- Framework of Quality Models for Effective Prediction of Fail Safe Shaft Design Presented during XAVIT – 2014, XISS, Ranchi (October 2014) (coauthored with Aakash Bhattacherjee and P.S.Bishnu)
- 2. Hierarchical Clustering based framework for evaluation of students' behavior Presented during XAVIT 2014, XISS, Ranchi (October 2014) (co-authored with P. Srivastava and M.Pandey)
- 3. Neural Network Classification of Knowledge level of students Presented during XAVIT 2014, XISS, Ranchi (October 2014) (co-authored with M.Pandey and P. Srivastava)
- 4. One day Seminar on "Role of Librarian in the changed Global Scenario" organized by Society for Documentation and Information Science, Jamshedpur on September 14, 2014.
- 5. Faculty Development programme under TEQIP II on Achieving Academic Excellence held during November 10 15, 2014 at Indian Institute of Management, Raipur.
- Amit Prakash, Sujan Kumar Saha. 2014. A Relevance Feedback Based Approach for Mixed Script Transliterated Text Search. FIRE 2014 Workshop on Transliteration Search. 6th meeting of Forum for Information Retrieval Evaluation (FIRE 2014). Indian Statistical Institute, Bangalore, December 5 – 7, 2014.
- 7. Amit Prakash, Sujan Kumar Saha. 2014. Experiments on Document Chunking and Query Formation for Plagiarism Source Retrieval. Notebook for PAN at CLEF 2014. Proceedings of the CLEF2014 Working Notes. Pages 990-996. ISSN 1613-0073. Sheffield, UK, September 15-18, 2014. [Highest recall in the shared task competetion on Plagiarism Detection 2014]
- Satyam, Anand, A. K. Dawn, and S. K. Saha. 2014. A Statistical Analysis Approach to Author Identification Using Latent Semantic Analysis. Notebook for PAN at CLEF 2014. Proceedings of the CLEF2014 Working Notes. Pages 1143-1147. ISSN 1613-0073. Sheffield, UK, September 15-18, 2014. [Highest accuracy in Dutch reviews and 2nd Highest accuracy English essays]
- Mukta Majumdar, Sujan Kumar Saha. 2014. Development of NER System for Wikipedia without using Wikipedia text as training data: Sports (Cricket) a case study. Proceedings in EIIC-The 3rd Electronic International Interdisciplinary Conference ISSN:1338-7871.
- 10. Sahana, S.K and Jain, A. 2014, "High Performance Ant Colony Optimizer (HPACO) for Travelling Salesman Problem (TSP)", 5th International Conference on ICSI 2014, Hefei, China, October 17-20, 2014, In: Advances in Swarm Intelligence, Vol 8794, Springer International Publishing, Lecture Notes in Computer Science (LNCS),pp 165-172, Print ISBN-978-3-319-11856-7,Online ISBN-978-3-319-11857-4,DOI: 10.1007/978-3-319-11857-4_19, link.springer.com/chapter/10.1007%2F978-3-319-11857-4_19.
- 11. Sahana, S.K and Kumar, K. 2014, "Hybrid Synchronous Discrete Distance Time Model for Traffic Signal Optimization", International Conference on

Computational Intelligence & Data Mining 2014, Burla, Orrisa, India, December 20-21, 2014, In: Series Smart Innovation, Systems and Technologies, Vol-31, Book Computational Intelligence in Data Mining, Springer India, pp 23-33, Print ISBN- 978-81-322-2204-0, Online ISBN- 978-81-322-2205-7, DOI: 10.1007/978-81-322-2205-7_3.

12. An on-line portal for prediction of roll force during hot strip rolling process, 2nd IEEE International Conference on Futuristic trends in engineering and management, 2014.