

### FACULTY PUBLICATIONS

#### Department of Computer Science

1. Goyal R. , Kakkar M. (July-August, 2020). Comparison of Air Pollution in Delhi using Open Air in R. International Journal TEST Engineering & Management (**SCOPUS indexed**). Vol. 83. Pp. 381-385. ISSN no. 0193-4120.
2. Khandelwal R., Goyal H. & Shekhawat (2021). Comparative Analysis of Machine Learning Techniques using Predictive Modeling. Recent Advances in Computer Science and Communications (**SCOPUS indexed**). 14(4), pp. 1136-1147. ISSN no. 2666-2558 **DOI: [10.2174/2666255813999200904164539](https://doi.org/10.2174/2666255813999200904164539)**.
3. Joshi M. L., Joshi N., Mittal N. (2021) Semantic Graph-based Automatic Text Summarization from Hindi Text Documents, in ACM Transactions on Asian and Low-Resource Language Information Processing. (**SCIE indexed**), (Accepted for Publication).
4. Rathore M., Gupta S. (2021) Decision Tree Using Artificial Neural Network: A Proposed Model. In: Purohit S., Singh Jat D., Poonia R., Kumar S., Hiranwal S. (eds) Proceedings of International Conference on Communication and Computational Technologies. Algorithms for Intelligent Systems. Springer, Singapore. [https://doi.org/10.1007/978-981-15-5077-5\\_18](https://doi.org/10.1007/978-981-15-5077-5_18)
5. Mathur P. (2021) Heuristic Expert Evaluation of e-Learning Application. In: Rathore V.S., Dey N., Piuri V., Babo R., Polkowski Z., Tavares J.M.R.S. (eds) Rising Threats in Expert Applications and Solutions. Advances in Intelligent Systems and Computing, vol 1187. Springer, Singapore. [https://doi.org/10.1007/978-981-15-6014-9\\_18](https://doi.org/10.1007/978-981-15-6014-9_18).
6. Rathore M., Gupta S. (2021) A Comparative Analysis of R and Weka for Market Basket Analysis Using Apriori Algorithm. In: Purohit S., Singh Jat D., Poonia R., Kumar S., Hiranwal S. (eds) Proceedings of International Conference on Communication and Computational Technologies. Algorithms for Intelligent Systems. Springer, Singapore. [https://doi.org/10.1007/978-981-15-5077-5\\_19](https://doi.org/10.1007/978-981-15-5077-5_19).
7. Pareek P., Chande S.V. (2021) Grey Box Approach for Mobile Application Testing. In: Rathore V.S., Dey N., Piuri V., Babo R., Polkowski Z., Tavares J.M.R.S. (eds) Rising Threats in Expert Applications and Solutions. Advances in Intelligent Systems and Computing, vol 1187. Springer, Singapore. [https://doi.org/10.1007/978-981-15-6014-9\\_47](https://doi.org/10.1007/978-981-15-6014-9_47)
8. Rathore M., Gupta S. (2021) Composite Framework of Artificial Neural Network and Decision Tree Algorithm for Prediction of Fraudulent Firm Using Audit Dataset. In: Rathore V.S., Dey N., Piuri V., Babo R., Polkowski Z., Tavares J.M.R.S. (eds) Rising Threats in Expert Applications and Solutions. Advances in Intelligent Systems and Computing, vol 1187. Springer, Singapore. [https://doi.org/10.1007/978-981-15-6014-9\\_64](https://doi.org/10.1007/978-981-15-6014-9_64).
9. Bhargava H., Sharma A., Suravajhala P. (2021) A Recommendation Perspective for Modeling Drug-Target Interaction Predictions Using Network-Based Approaches. In: Rathore V.S., Dey N., Piuri V., Babo R., Polkowski Z., Tavares J.M.R.S. (eds) Rising Threats in Expert Applications and Solutions. Advances in Intelligent Systems and Computing, vol 1187. Springer, Singapore. [https://doi.org/10.1007/978-981-15-6014-9\\_69](https://doi.org/10.1007/978-981-15-6014-9_69)
10. Sudesh, Goyal V., Sharma A. (2021) Artificial Neural Network Approach for Modeling Cu(II) and Cr(VI) Ion Biosorption from Synthetic Textile Effluent Using Three Low-Cost Biosorbents. In: Rathore V.S., Dey N., Piuri V., Babo R., Polkowski Z., Tavares J.M.R.S. (eds) Rising Threats

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11. Hanswal S.S., Pareek A., Vyas G., Sharma A. (2021) Sentiment Analysis on E-Learning Using Machine Learning Classifiers in Python. In: Rathore V.S., Dey N., Piuri V., Babo R., Polkowski Z., Tavares J.M.R.S. (eds) *Rising Threats in Expert Applications and Solutions. Advances in Intelligent Systems and Computing*, vol 1187. Springer, Singapore. [https://doi.org/10.1007/978-981-15-6014-9\\_1](https://doi.org/10.1007/978-981-15-6014-9_1)
  12. Sinhal S., Nanda R. (2021) Understanding the Role of Artificial Neural Networks in the Prediction of Mental Health Diseases. In: Rathore V.S., Dey N., Piuri V., Babo R., Polkowski Z., Tavares J.M.R.S. (eds) *Rising Threats in Expert Applications and Solutions. Advances in Intelligent Systems and Computing*, vol 1187. Springer, Singapore. [https://doi.org/10.1007/978-981-15-6014-9\\_46](https://doi.org/10.1007/978-981-15-6014-9_46)
  13. Vijay V., Nanda R. (2021) Query Caching Technique Over Cloud-Based MapReduce System: A Survey. In: Rathore V.S., Dey N., Piuri V., Babo R., Polkowski Z., Tavares J.M.R.S. (eds) *Rising Threats in Expert Applications and Solutions. Advances in Intelligent Systems and Computing*, vol 1187. Springer, Singapore. [https://doi.org/10.1007/978-981-15-6014-9\\_3](https://doi.org/10.1007/978-981-15-6014-9_3)
  14. Bhati H. and Rathore M. (2021) Diagnosis and Detection of Plant Disease using Data Mining Techniques, accepted for publication in Springer Lecture Notes on Data Engineering and Communications Technologies (ICDM – 2021) (Accepted to be Publish).
  15. Devi U., Kesswani N. & Sharma A. (March, 2020). A Diverse View on Feature-Oriented Programming in Software Product Line. *Studies in Indian Place Names (UGC CARE Listed Journals)*, 40(18), pp. 1950-1957 ISSN no. 2394-3114
  16. Choudhary K. & Gupta V. (2020). TV Show Popularity Analysis Using Data Mining. *IMPETUS Xavier's Interdisciplinary Research Journal. ISSN 2278-0254.*
  17. Sharma A., Chaturvedi R., Chande S. V. (2021) Evaluation and Refinement of MVC Web Application Architecture, *Journal of Information and Computational Science*, Vol 11(3), pp 1-5, **(SCOPUS, UGC GROUP-II approved)**, ISSN: 1548 - 7741
  18. Joshi M. L., Mittal N., Joshi N. (2021) SGAKE: Semantic Graph based Automatic Keyword Extraction from Hindi Text Documents, *International Journal of Computing and Digital Systems(IJCDS)*, **(SCOPUS indexed)**, (Accepted to be published)
  19. Bhargava H., Sharma A., Valadi J. K. (March, 2021) Machine Learning for Bioinformatics, in *Your Passport to a Career in Bioinformatics*, Springer Nature, **(SCOPUS indexed)** pp 103-108.
  20. Vijay, M. V., & Nanda, R. A Systematic Review and Comparative Analysis of Cloud Simulation Tools, *Journal of Informational and Computational Science*, 11(2), ISSN: 1548-7741 (UGC CARE GROUP II Journal, <http://joics.org/VOL-11-ISSUE-2-2021/>).
  21. Vijay, M. V., & Nanda, R. (2020). MRC-COVID (Map Reduce with Cache) System for Big data Analytics. *International Journal of All Research Education and Scientific Methods (IJARESM)*, 8(12), ISSN: 2455-6211.
  22. Sharma A. & Gupta V. (March 2020). Comparative Study of Agile Methodologies in Mobile Application Development, *i-manager Journal on Mobile Applications and Technologies(JMT)*, 6(2), ISSN No. 2350-1413.
  23. Soni A. , Chande S. V. (2021) Utilization of Multi Colony Ant Optimization Algorithm for Reduction of Execution Time for Join Queries, in *Applied Soft Computing Journal* (Accepted to be Publish).

24. Tiwari P. &Chande S. V. (2019). Join Query Optimization using Genetic Ant Colony Optimization Algorithm for Distributed Database. Springer, CCIS.
25. Mathur P &Chande S. V. (2019). Empirical Investigation of Usability Evaluation Methods for Mobile Applications Using Evidence Based Approach. Springer, IETE.
26. Gupta V. (2019). An Analysis of Data Visualization tools. International Journal of Computer Applications (IJCA). ISSN: 0975-8887.
27. Verma A. &Rathore M. (2019). Big Data Trends, Analysis and Challenges. Published in JETIR August 2018, 5(8), pp 441-448. ISSN– 2349-5162
28. Tiwari P. and Chande S. V. (2019) Join Query Optimization using Genetic Ant Colony Optimization Algorithm for Distributed Databases, Conference on Emerging Technologies and Computer Engineering: Micro-services in Big Data Analytics, ICETEAS-2019, 01-02 Feb 2019, SKIT, Jaipur
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30. Tiwari, P., &Chande, S. V. (2019) Optimal Ant and Join Cardinality for Distributed Query Optimization Using Ant Colony Optimization Algorithm, In Emerging Trends in Expert Applications and Security (pp. 385-392), Springer, Singapore
31. Mathur P. &Chande S. V. (2019). Empirical Investigation of Usability Evaluation Methods for Mobile Applications Using Evidence Based Approach. Springer, IETE.
32. Joshi M. L. &Goyal D. (2019). Sentiment Analysis of Hindi Text: A Review. Research Journey: Multidisciplinary International E-research Journal. Special issue-178. ISSN-2348-7143
33. Jhalani R., Sharma D. &Kavar H. (2019). Analyzing Customer's Purchasing Patterns by Market Basket Analysis. 'i-manager's Journal' on Future Engineering and Technology. ISSN Print: 0973-2632.
34. Kakkar M. (2019). Sentiment Analysis of Twitter data on Different Mobile Payment Applications using R. International Journal of Research in Electronics and Computer Engineering. 7(1). ISSN: 2393-9028 (PRINT) | ISSN: 2348-2281 (ONLINE).
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36. Sharma L. & Gupta V. (2019) A Comparative Study of Data Analytics Open Source Tools, National Journal of Multidisciplinary Research and Development, ISSN: 2455-9040
37. Kaushik R. &Kakkar M. (2019) A Study of Energy Conservation using Green Cloud Computing, Indian Journal of Computer Science 4(1), ISSN: 2456 – 4133
38. Tiwari, P., &Chande, S. V. (2018). Optimal Ant and Join Cardinality for Distributed Query Optimization Using Ant Colony Optimization Algorithm. In Emerging Trends in Expert Applications and Security. 841 (pp. 385-392). Springer, Singapore.

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45. Sharma, N. (2018), A Specified Security Comparison for Various Encryption Techniques in Cloud Computing, ELSEVIER-SSRN Information Systems &Ebusiness Network, ISSN: 1556-5068.
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47. Sharma, N. (2018), Financial Data Mining:Appropriate Selection of Tools,Techniques and Algorithms Springer Nature Singapur Communications in Computer and Information Science, ISSN: 1865-0929 1865-0937(electronic).
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