

## PUBLICATIONS

### 1. Research Papers in SCI/SCIE/SCOPUS/ESCI Indexed Journals

(Published/Accepted): 35

1. Avaneesh Kumar Yadav, **Ranvijay**, Rama Shankar Yadav, Ashish Kumar Maurya, “Graph-based Extractive Text Summarization based on Single Document,” *Multimedia Tools and Applications*, Springer, 2023. (SCIE Indexed, IF: 3.6, Quartiles: Q1).
2. Avaneesh Kumar Yadav, **Ranvijay**, Rama Shankar Yadav, Ashish Kumar Maurya, “State-of-the-art approach to extractive text summarization: a comprehensive review,” *Multimedia Tools and Applications*, Springer, pp. 1-63, 2023. (SCIE Indexed, IF: 3.6, Quartiles: Q1).
3. Singh, Dinesh, Ashish Kumar Maurya, **Ranvijay**, and Rama Shankar Yadav. “CRLMDA: CRL minimisation and distribution algorithm in cluster-based VANETs.” *International Journal of Communication Networks and Distributed Systems* 29, no. 3 (2023): 239-267. (ESCI Indexed, IF: 1.3, Quartiles: Q3).
4. Shailendra Pushkin, **Ranvijay**, "Load Balanced WSN Data Aggregation by Improved Hypergraph and novel IHGPSO", *International Journal of Computer Network and Information Security (IJCNIS)*, 2023. (SCOPUS Indexed, IF: 2.05, Quartiles: Q3). [Accepted]
5. Dinesh Singh, Ashish Kumar Maurya, **Ranvijay**, and Rama Shankar Yadav, “A trust-based clustering approach to form stable clusters in vehicular ad hoc networks,” *Journal of Ambient Intelligence and Humanized Computing*, Springer, pp. 1-20, 2022. (SCIE Indexed, IF: 7.104, Quartiles: Q1).
6. Rajit Ram Yadava and **Ranvijay**, “Green Optimization with Load balancing in Wireless Sensor using Elephant Herding optimization”, *International Journal of Computer Network and Information Security (IJCNIS)*, 2022. (SCOPUS Indexed, IF: 2.05, Quartiles: Q3). [Accepted]
7. Mainejar Yadav, **Ranvijay**, “Essential secret image sharing approach with same size of meaningful shares”, *International Journal of Multimedia Tools and Applications*, Published: 19 February 2021. (SCIE Indexed, IF: 3.6, Quartiles: Q1).
8. Avaneesh Kumar Yadav, Ashish Kumar Maurya, **Ranvijay** and Rama Shankar Yadav, “Extractive Text Summarization Using Recent Approaches: A Survey” *Journal of Ingénierie des Systèmes d'Information*, Vol. 26 Issue 1, p109-121. 13p, Feb2021. (SCOPUS Indexed, IF: 0.244 Quartiles: Q3).
9. Dinesh Singh, **Ranvijay** and Rama Shankar Yadav, “IBMDA: Information based misbehaviour detection algorithm for VANET”, *Journal of High-Speed Networks*, Volume 26, Year 2020, Pages 185-207. (SCOPUS Indexed, IF: 1.06 Quartiles: Q3).
10. Rajit Ram Yadava and **Ranvijay**, “CATM: Congestion aware trust model for wireless sensor networks”, *Journal of Discrete Mathematical Sciences and Cryptography* 24(5):1475-1485, 2021. (SCOPUS Indexed, IF: 0.45 Quartiles: Q3)
11. Tribhuvan Singh, **Ranvijay**, Krishn Kumar Mishra, “A variant of EAM to uncover community structure in complex networks,” *International Journal of Bio-Inspired Computation*, Volume 16, Year 2020, Pages 102-110. (SCI Indexed, IF: 3.5, Quartiles: Q2).

12. Sanjeev Kumar, Suneeta Agarwal and **Ranvijay** “WBTC: a new approach for efficient storage of genomic data”, *International Journal of Information Technology (Singapore)*, Volume 12, Year 2020, Pages 915-921. (SCOPUS Indexed, IF: 3.07, Quartiles: Q3).
13. Mainejar Yadav, **Ranvijay**, “Cheating prevention and detection technique in visual secret sharing,” *Ingenierie des Systemes d'Information*, Volume 25, Year 2020, Pages 453-460. (SCOPUS Indexed, IF: 0.244 Quartiles: Q3).
14. Sanjeev Kumar, Suneeta Agarwal and **Ranvijay**, “Burrows wheeler transform and wavelet tree-based retrieval of genome sequence in an indexed genome database”, *Recent Advances in Computer Science and Communications*, Volume 13, Year 2020, Pages 1213-1220. (SCOPUS Indexed, IF: 0.85, Quartiles: Q4)
15. Smriti Agrawal, Rama Shankar Yadav, **Ranvijay**, “Transient fault tolerance patterns for real time systems with arbitrary deadline”, *International Journal of Scientific and Technology Research*, Volume 9, Year 2020, Pages 6832-6848. (SCOPUS Indexed, IF: 0.85, Quartiles: Q3).
16. Sanjeev Kumar, Suneeta Agarwal and **Ranvijay**, “WBFQC: A New Approach for Compressing Next-Generation sequencing data splitting into homogeneous streams”, *Journal of Bioinformatics and Computational Biology-World Scientific*. vol. 16, issue no. 5, 2018. (SCI Indexed, F: 1.0, Quartiles: Q3)
17. Sanjeev Kumar, Suneeta Agarwal and **Ranvijay**, “Fast and Memory Efficient Approach for Mapping NGS Reads to a Reference Genome”, *Journal of Bioinformatics and Computational Biology-World Scientific*, 2019 Apr; 17(2), p.p. 1-19. (SCI Indexed, IF: 1.0, Quartiles: Q3).
18. Sanjeev Kumar, Suneeta Agarwal and **Ranvijay**, “An efficient tool for searching maximal and super maximal repeats in Large DNA sequences via Induced-Enhanced Suffix Array”, *Recent Patents on Computer Science-Bentham Science*. vol. 12, issue no. 1, 2019, p.p: 128-134 (SCOPUS Indexed, Quartiles: Q4).
19. Sanjeev Kumar, Suneeta Agarwal and **Ranvijay**, “Burrows Wheeler Transform and Wavelet Tree Based Retrieval of Genome Sequence in an Indexed Genome Database”, *Recent Patents on Computer Science*, Vol. 12, issue no 4, 2019 p.p.1-8 (SCOPUS Indexed, Quartiles: Q4).
20. Mainejar Yadav, **Ranvijay**,” Verifiable Essential Secret Image Sharing with Multiple Decryption. *International Journal of Recent Technology and Engineering*, 2019. (SCOPUS Indexed, Quartiles: Q4).
21. Mainejar Yadav, **Ranvijay**,” Collusion attacks in XOR based RG-VSS. in *International Journal of Innovative Technology and Exploring Engineering*, 2019. (SCOPUS Indexed, Quartiles: Q4).
22. Tribhuvan Singh, **Ranvijay**, Krishn Kumar Mishra, “Multi-objective Environmental Adaptation Method for Solving Environmental/Economic Dispatch Problem”, in “*Evolutionary Intelligence*”, Volume 12, April 2019, Pages 305-319, Springer. (SCOPUS Indexed, Quartiles: Q2).
23. Sarang Shrivastava , Priyanja Singh and **Ranvijay**, “Impostor Detection Through Chat Analysis” *Procedia Computer Science*, December 2016. Publisher: Elsevier. (SCOPUS Indexed).

24. Mainejar Yadav, **Ranvijay**,” A distortion free multi-secret image sharing with efficient shadow communication overhead” in *Journal of Information and Optimization Sciences*, Taylor & Francis Publication 2017. (SCOPUS Indexed).
25. Singh, Dinesh, **Ranvijay**, and Rama Shankar Yadav. "A state-of-art approach to misbehaviour detection and revocation in VANET: survey." *International Journal of Ad Hoc and Ubiquitous Computing* 28.2 (2018): 77-93. (SCI Indexed, IF: 0.7, Quartiles: Q3)
26. Mainejar Yadav, **Ranvijay**, “Emerging Trends in Visual Secret Sharing” in *International Journal of Engineering Technology*, 2018. (SCOPUS Indexed).
27. Vinod Kumar K., **Ranvijay**, Enhanced energy aware scheduling in multicore processors. *Journal of Intelligent & Fuzzy Systems*, vol. 35, no. 2, pp. 1375-1385, 2018. (SCOPUS Indexed, Quartiles: Q2)
28. Sanjeev Kumar, Suneeta Agarwal and **Ranvijay**, “WBMFC: Efficient and Secure Storage of Genomic Data”, *Pertanika Journal of Science & Technology*. vol. 26, issue no. 4, 1913 - 1925, 2018. (ESCI Indexed, Quartiles: Q4).
29. Tribhuvan Singh, **Ranvijay** Singh, Krishn Kumar Mishra, “Software Cost Estimation Using Environmental Adaptation Method”, in “*Procedia Computer Science*”, Volume 143, 2018, Pages 325-332. (SCOPUS Indexed).
30. Yadav, M., & **Ranvijay**. (2018). A distortion free multi-secret image sharing with efficient shadow communication overhead. *Journal of Information and Optimization Sciences*, 39(1), 143-156. (ESCI (Web of Science))
31. Sarang Shrivastava, Priyanja Singh and **Ranvijay** “Impostor Detection Through Chat Analysis” *Procedia Computer Science*. December 2016. Publisher: Elsevier. (SCOPUS Indexed).
32. **Ranvijay**, Yadav, R. S., & Agrawal, S. (2010). Enhanced aperiodic responsiveness by multi budget bandwidth preserving server. *ACM SIGBED Review*, 7(2), 1-8. (IF=1.93, Quartiles: Q1)
33. Smriti Agrawal, Rama Shankar Yadav, **Ranvijay**, “A Speed Fine Tuning Techniques for System Energy Minimization of Weakly Hard Real-Time Systems”, in *International Journal of Computer and Application*, ACTA Press Publication, Canada, vol. 32, Issue 2. (SCOPUS Indexed).
34. Sarsij Tripathi, Rama Shankar Yadav, **Ranvijay**, “Resource Management in Real Time Distributed System with Security Constraints: A Review”, *Accepted for publication in International Journal of Distributed System and technologies (IJDST)*, IGI publications. ISSN 1947-3532, 2010. (Scopus Indexed)
35. Agrawal, Smriti, Rama Shankar Yadav, and **Ranvijay**, "A Pre-emption Control Approach for Energy Aware Fault Tolerant Real Time System." *International Journal of Recent Trends in Engineering* 1, no. 1 (2009): 381.

## 2. Research Papers in International Conferences: 18

1. Abhiraj, Amit Rathor, Avaneesh Kumar Yadav and **Ranvijay**, “Earthquake Magnitude and Depth Prediction based on Hybrid GRU-BiLSTM Model”, *4<sup>th</sup> International Conference on Data Intelligence and Cognitive Informatics (ICDICI 2023)*,. [Accepted]
2. Harshit Garg, Mradul Tiwari, Mehul Rawal, Kaustubh Gupta, Ranvijay, and Mainejar Yadav,” Personality Based Friends Recommendation System for Social Networks,” *International Conference on Security, Privacy and Data Analytics (ISPD-2022)*, 13<sup>th</sup> to 15<sup>th</sup> December, 2022. [Accepted]
3. Vijay Prakash Dwivedi, Deepak Kumar Singh, Saurav Jha and **Ranvijay** “Gender Classification of Blog Authors: With Feature Engineering and Deep Learning using LSTM Networks” *9<sup>th</sup> IEEE International Conference on Advanced Computing (ICoAC)*, 2017.
4. Apoorva Dobhal, **Ranvijay**, **Improved** Real-Time Energy Aware Parallel Task Scheduling in a Cluster, in the *3rd IEEE International Conference on Computing for Sustainable Global Development (INDIACom)*, 16-18 March 2016. ISBN: 978-9-3805-4421-2
5. Dinesh Singh, **Ranvijay**, R. S. Yadav, A New Weighted Clustering Algorithm to form Stable Cluster in VANET, in *ICTCS '16 Second International Conference on Information and Communication Technology for Competitive Strategies*, Udaipur, India — March 04 - 05, 2016. ISBN: 978-1-4503-3962-9
6. Shreya Agrawal, Rahul Verma, **Ranvijay**, Lip Reading Techniques: A Survey in *Third IEEE International Symposium on Computer Vision and the Internet (VisionNet'16)*. September 21-24, 2016. ISBN: 978-1-5090-2399-8.
7. Mainejar Yadav, **Ranvijay**,” Efficient Multiple Secret Sharing via Cellular Automata Rule 30” in *5<sup>th</sup> IEEE international Conference on Communication and Signal Processing (ICCSP-2016)*.
8. Nikesh Singh Tanver, Mainejar Yadav, **Ranvijay**,” Bitwise Encoded Visual Secret Sharing Scheme for Gray Scale Image” in *6<sup>th</sup> IEEE International Conference on Communication Systems and Network Technologies (CSNT-2016)*, 2016.
9. Surendra Singh and **Ranvijay**, Improve real-time packet scheduling algorithm with security constraint, in *international conference IEEE INDICON 2014*, IEEE Digital Library, PUNE, INDIA 11-13 Dec. 2014. 10.1109/INDICON.2014.7030461, ISBN: 978-1-4799-5364-6.
10. **Ranvijay**, Rama Shankar Yadav, Smriti Agrawal “Online Speed Fine Tuning Technique for Energy Minimization of Mixed Task Set”, in *INDICON, 2009*, DA-IICT Ahmedabad, 1820 December, 2009 PP. 589- 592.
11. **Ranvijay**, Rama Shankar Yadav, Smriti Agrawal " Enhanced Aperiodic Responsiveness by Preemption Control" in *2009 International Conference on Advances in Computing, Control, and Telecommunication Technologies*, IEEE,2009. Trivandrum, Kerala, India. December 28-29, 2009.
12. **Ranvijay**, Rama Shankar Yadav, Smriti Agrawal " Efficient Energy Constrained Scheduling approach for Dynamic Real Time System. in *IEEE International Conference on Parallel, Distributed and Grid Computing (PDGC 2010)*, JUIT, Solan, Himachal Pradesh, India. October 28-30, 2010. PP 284 – 289.
13. **Ranvijay**, Rama Shankar Yadav, arvind Dagur and Smriti Agrawal “Energy management for energy harvesting real time system with dynamic voltage scaling” in *International Conference on VLSI 2011*, July 15- July 17 2011. Accepted for Publication for Springer (LNCS) in Communications in Computer and Information Science (CCIS) Series.

14. **Ranvijay**, Rama Shankar Yadav and Smriti Agrawal “A Survey on Energy Aware Processor Design Techniques in Real-Time Systems”, in *International Conference on Soft computing and Intelligent Systems*, Jabalpur Engineering College, Jabalpur, India, 27-29 December 2007.
15. Smriti Agrawal, Rama Shankar Yadav, **Ranvijay**, “System Level Energy Minimization by Speed Fine Tuning Technique”, in *International Conference on Embedded Systems, Mobile Communication and Computing (ICEMC2)*, 11- 14 August, 2008, Infosys, Mysore, India, Published by Macmillan, ISBN:023-063- 618-7.
16. Smriti Agrawal, Rama Shankar Yadav, **Ranvijay**, “System Level Energy Aware Fault-Tolerant Approach for Real-Time Systems”, in *10<sup>th</sup> IEEE conference, IEEE TENCON-2008*, 18- 21 November, 2008, Hyderabad, India.
17. Smriti Agrawal, Rama Shankar Yadav, **Ranvijay** “A Survey on Real-Time Fault Tolerant Systems”, in *National Conference on Architecturing Future IT Systems (NCAFIS-2008)*, Devi Ahilya University Indore, 17- 18, October 2008, PP. 168-176.
18. Abhay Singh, Rama Shankar Yadav, **Ranvijay** Enhanced Energy Minimization (M, K) Guaranteed Real-Time Systems”, in the *international conference on emerging technology and application in Engineering, Technology and Science*, Gujrat (ICETAETS-2008).

### 3. Book Chapters: 07

1. Gupta, Priyanka, and **Ranvijay**, "Enhanced Energy-Aware Fault Tolerance Technique for Real-Time Task on Heterogeneous Multicore System." In *International Conference on VLSI, Communication and Signal processing*, pp. 745-762. Singapore: Springer Nature Singapore, 2022.
2. Agrawal, Smriti, Rama Shankar Yadav, and **Ranvijay**. “A pre-emption control technique for system energy minimization of weakly hard real-time systems.” *Software Engineering, Artificial Intelligence, Networking and Parallel/Distributed Computing* (2008): 201-215. [ISBN: 978-3-540-70559-8].
3. **Ranvijay**, Yadav RS, Kumar A, Agrawal S. Energy management for energy harvesting real time system with dynamic voltage scaling. In *International Conference on Web and Semantic Technology* 2011 Jul 15 (pp. 536-548). Berlin, Heidelberg: Springer Berlin Heidelberg. [ISBN: 978-3-642-22542-0].
4. Keshwani K, Agarwal P, Kumar D, **Ranvijay**. Prediction of market movement of Gold, Silver and Crude Oil using sentiment analysis. In *Advances in Computer and Computational Sciences: Proceedings of ICCCCS 2016*, Volume 2 2018 (pp. 101-109). Springer Singapore.
5. Shashni N, **Ranvijay**, Yadav M. Cryptanalysis on digital image watermarking based on feature extraction and visual cryptography. In Progress in *Advanced Computing and Intelligent Engineering: Proceedings of ICACIE 2017*, Volume 1 2019 (pp. 425-435). Springer Singapore.
6. Sachan VS, Yadav M, **Ranvijay**. Enhanced XOR-Based Progressive Visual Secret Sharing Using Multiple Decryptions. In *Advances in VLSI, Communication, and Signal Processing: Select Proceedings of VCAS 2018*, 2020 (pp. 949-962). Springer Singapore. [ISBN: 978-981-32-9775-3]
7. Singh T, Mishra KK, **Ranvijay**. Data clustering using environmental adaptation method. In *Hybrid Intelligent Systems: 19<sup>th</sup> International Conference on Hybrid Intelligent Systems (HIS 2019) held in Bhopal*, India, December 10-12, 2019 19 2021 (pp. 156-164). Springer International Publishing.