

Publications:

Journal Papers (SCIE/ SCI/ SSCI/Scopus):

1. Reetu Singh, Pragya Dwivedi, Vibhor Kant (2024), “Comparative analysis of collaborative filtering techniques for the multi-criteria recommender systems”, *Multimedia Tools and Applications* (**SCIE Indexed, I.F 3**), <https://doi.org/10.1007/s11042-024-18164-5>.
2. Kashif Mazhar and Pragya Dwivedi (2024), “Decoding the Black Box: LIME-assisted Understanding of Convolutional Neural Network (CNN) in Classification of social media Tweets”, *Social Network Analysis and Mining*, (**ESCI, Published**).
3. Reetu Singh, Pragya Dwivedi, Pankaj Patidar (2024), “Multi-criteria recommendation system based on deep matrix factorization and regression techniques”, *International Journal of Information Technology* (**Scopus Indexed**), <https://doi.org/10.1007/s41870-024-01780-7>.
4. Ashish Kumar Sahu & Pragya Dwivedi (2020), “Knowledge transfer by domain-independent user latent factor for cross-domain recommender systems” *Future Generation Computer Systems*, (**SCIE Indexed, I.F. 7.307**), Volume 108, Publication date: 2020/7/1, Pages 320-333, **Elsevier**.
5. Prince Rajpoot & Pragya Dwivedi (2020), Optimized and load balanced clustering for wireless sensor networks to increase the lifetime of WSN using MADM approaches” *Wireless Networks*, (**SCI Indexed, IF.2.701**), Volume 26, 1/2020, pages 215-251, Springer US.
6. Prince Rajpoot & Pragya Dwivedi(2019), “Multiple parameter based energy balanced and optimized clustering for WSN to enhance the Lifetime using MADM Approaches” *Wireless Personal Communications*(**SCIE Indexed, I.F. 2.017**), Volume 106(2), 1 May 2019, pages 829-877, **Springer**.
7. Priyanka Singh & Pragya Dwivedi (2019), “A novel hybrid model based on neural network and multi-objective optimization for effective load forecast” *Energy*, (**SCI Indexed, I.F. 8.857**) Volume 182, 1 September 2019, pages 606- 622, Elsevier.
8. Ashish Kumar Sahu, Pragya Dwivedi (2019), “User profile as a bridge in cross- domain recommender systems for sparsity reduction” *Applied Intelligence* (**SCI Indexed, I.F. 5.019**), volume 49(7), July 2019, pages 2461–2481, Springer US.
9. Priyanka Singh, Pragya Dwivedi & Vibhor Kant(2019), “A hybrid method based on neural network and improved environmental adaptation method using Controlled Gaussian Mutation with real parameter for short-term load forecasting”, *Energy*, (**SCI Indexed, I.F. 8.857**) Volume 174, 1 February 2019, pages 460-477, Elsevier.
10. Vibhor Kant, Tanisha Jhalani & Pragya Dwivedi (2018), “Enhanced multi-criteria recommender system based on fuzzy Bayesian approach” **Multimedia Tools & Applications**, (**SCIE & Scopus Indexed, I.F. 2.577**), Volume 77 (10),05/2018,pages 12935-12953, **Springer**.
11. Priyanka Singh & Pragya Dwivedi (2018), “Integration of new evolutionary approach with artificial neural network for solving short term load forecast problem” **Applied Energy**, (**SCI Indexed, I.F. 11.446**) Volume 217, 1 May 2018, Pages 537-549, Elsevier.
12. Pragya Dwivedi, Vibhor Kant & Kamal K Bharadwaj (2018), “Learning Path Recommendation based on Modified Variable Length Genetic Algorithm”, **Education and**

- Information Technologies** , (SSCI Indexed, I.F. 3.666), Volume 23(2), 03/2018, pages 819-836, Scopus Indexed, Springer.
13. Pragma Dwivedi and K. K. Bharadwaj, (2015). e-Learning Recommender System for a Group of Learners Based on the Unified Learner Profile Approach. **Expert System (SCIE Indexed IF. 2.812)** , Vol. 32 (2), 04/2015, pages 264–276, **Wiley Publishing**.
 14. Pragma Dwivedi and K. K. Bharadwaj (2013). Effective Trust-aware E-learning Recommender System Based on Learning Styles and Knowledge Levels. **Journal of Educational Technology & Society (SSCI Indexed, IF. 2.633)**, vol.16(4), 10/2013, pages 201- 216.
 15. Ashish Kumar Sahu & Pragma Dwivedi (2020), “Aligned Intrinsic User Factors Knowledge Transfer for Cross-domain Recommender Systems” **Procedia Computer Science, (Scopus Indexed)**, Volume 167, Publication date: 2020/1/1, Pages 363-372, **Elsevier** (Through conference).
 16. AK Sahu, Pragma Dwivedi & Vibhor Kant (2018), “Tags and Item Features as a Bridge for Cross-Domain Recommender Systems”, **Procedia Computer Science, Scopus Indexed**, 125, 624- 631, Scopus Indexed, **Elsevier** (through Conference).
 17. Priyankar Choudhary, Vibhor Kant & Pragma Dwivedi (2017), “Handling Natural Noise in Multi Criteria Recommender System utilizing effective similarity measure and Particle Swarm Optimization” **Procedia Computer Science, Scopus Indexed**, volume 115, pages 853-862, **Elsevier** (through Conference).
 18. Vibhor Kant and Pragma Dwivedi (2015). An Evidential Trust Model for Web Services Based on Fuzzy Sets. **Procedia Computer Science, Elsevier**, Vol.57, pp 537– 544.
 19. Pragma Dwivedi and K. K. Bharadwaj (2012). Group Recommender System for Learners Based on Learning Styles and Knowledge Levels. **Global Journal of Technology**, 347-352.

Book Chapters:

1. Reetu Singh and Pragma Dwivedi (2023), “Healthy Food Recommender Systems”, “Healthcare Recommender Systems - Techniques and Recent Developments” by Springer Nature, book chapter.(**Springer Nature Edited Book: Accepted**)
2. Priyanka Singh and Pragma Dwivedi (2020), “Short-Term Electricity Load Forecast Using Hybrid Model Based on Neural Network and Evolutionary Algorithm” Numerical Optimization in Engineering and Sciences, 167-176, Book Chapter, Published by Springer.
3. Arpit Goswami, Pragma Dwivedi and Vibhor Kant (2018), “Trust-Enhanced Multi- criteria Recommender System” Soft Computing: Theories and Applications, 439-448, Book Chapter, Published by Springer.
4. Manish Jaiswal, Pragma Dwivedi, and Tanveer J Siddiqui(2017), “Enhanced Multi- criteria Recommender System Based on AHP” Applications of Soft Computing for the Web, 31-46, Book Chapter, Published by Springer, Singapore.
5. Tanisha Jhalani, Vibhor Kant and Pragma Dwivedi (2016), “A linear regression approach to multi-criteria recommender system” Data Mining and Big Data, 235-243, Book Chapter, LNAI, Published by Springer.

Conference Proceedings:

1. Kashif Mazhar and Pragma Dwivedi (2024), "A Survey on Methods for Explainability in Deep Learning Models" in the book titled "Machine Intelligence, Tools, and Applications", under exclusive license to Springer Nature Switzerland AG 2024. S. Dehuri et al. (Eds.): ICMITA 2023, LAIS 40, pp. 1–21, 2024.
2. Reetu Singh and Pragma Dwivedi (2023), "Food Recommendation Systems Based on Content-based and Collaborative Filtering Techniques" presented In proc. of 14th International Conference on Computing, Communication and Networking Technologies, organized by IIT Delhi.
3. Ayush Mishra, Ayush Gupta, Arvind Sahu, Amit Kumar, Pragma Dwivedi(2023), "Food Recipe and Nutritional Information Generator" In proc. of 4th International Conference MISIP 2022, pages 369-378, Springer Nature Singapore.
4. Priyanka Singh, Pragma Dwivedi(2022), "Very Short-Term Load Forecasting with Deep Learning Neural Network in Delhi, India" In proc. of Soft Computing: Theories and Applications: Proceedings of SoCTA 2021, pages 125-134, Springer Nature Singapore.
5. Naval Kumar, Dinesh Kumar, and Pragma Dwivedi (2022), "Load Forecasting for EV Charging Stations Based on Artificial Neural Network and Long Short Term Memory" In proc. of First International Conference, ANTIC 2021, Varanasi, India, December 17–18, 2021, pages 473-485
6. Prince Rajpoot, Pragma Dwivedi, Kumkum Dubey (2019), "Power Balanced Efficient Clustering Algorithm for WSN" In proc. of 2019 International Conference on Communication and Electronics Systems (ICCES), pages 585- 589, IEEE.
7. Prince Rajpoot and Pragma Dwivedi (2018), "Matrix Method for Non- Dominated Sorting and Population Selection for Next Generation in Multi- Objective Problem Solution" In proc. of 8th international conference **on Cloud Computing, Data Science & Engineering** , CONFLUENCE 2018, pages 670- 676, IEEE.
8. Priyanka Singh, KK Mishra and Pragma Dwivedi (2017), "Enhanced hybrid model for electricity load forecast through artificial neural network and Jaya algorithm", In proc. of International Conference on Intelligent Computing and Control Systems (ICICCS), 115-120, Published by IEEE.
9. GS Majumdar, Pragma Dwivedi and Vibhor Kant (2017), "Matrix Factorization and Regression-Based Approach for Multi-Criteria Recommender System", In proc. of the 3rd International Conference on Information and Communication Technology for Intelligent Systems, 103-110, Published by Springer.
10. P Chodhary, Vibhor Kant and Pragma Dwivedi (2017), "A Particle Swarm Optimization Approach to Multi Criteria Recommender System Utilizing Effective Similarity Measures" In proc. of the 9th International Conference on Machine Learning and Computing, 81-85, Published by ACM.
11. Parveen, R., Kant, V., Dwivedi, P. and Jaiswal, A.K. (2015). Enhancing Accuracy of Multi Criteria Recommendation Systems Using Genetic Algorithm. *Lecture Notes in Artificial Intelligence*, Published by *Springer*.
12. Kant, V and Dwivedi, P. (2015). A Fuzzy Bayesian Approach to Integrate User and Item based Collaborating Filtering for Enhanced Recommendations. In: Proc. of the 17th international conference on information integration and web- based applications &

services IIWAS-2015, Published by ACM, DBLP,

13. Dwivedi, P and Kamal K. Bharadwaj (2013), A Fuzzy Approach to Multidimensional Context-Aware e-Learning Recommender System, *Lecture Notes in Artificial Intelligence*, 8284, 600-610, Published by **Springer**.
14. Dwivedi, P and Kamal K. Bharadwaj (2012), e-Learning Recommender System for Learners in Online Social Networks Through Association Retrieval. In: Proc. of the CUBE 2012, 678-681, Published by ACM ICPS.
15. Dwivedi, P and Kamal K. Bharadwaj (2011), Effective Resource Recommendations for E-learning: A Collaborative Filtering Framework Based on Experience and Trust, In: Proc. of the CIIT, CCIS, 250, 166-170, Published by Springer-Verlag, Berlin.