

### Publications Journal Papers:

1. 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. 5.537 ) Volume 182, 1 September 2019, pages 606-622, Elsevier.
2. Ashish Kumar Sahu, Pragya Dwivedi (2019), "User profile as a bridge in crossdomain recommender systems for sparsity reduction" *Applied Intelligence* ( SCI Indexed, I.F. 2.88) , volume 49(7), July 2019, pages 2461–2481, Springer US
3. 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. 0.929), Volume 106(2), 1 May 2019, pages 829-877, Springer.
4. 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. 5.537 ) Volume 174, 1 February 2019, pages 460-477, Elsevier.
5. Prince Rajpoot & Pragya Dwivedi(2018), "Optimized and load balanced clustering for wireless sensor networks to increase the lifetime of WSN using MADM approaches" *Wireless Networks*, (SCI Indexed, I.F.1.981) , Springer US
6. Priyanka Singh & Pragya Dwivedi (2017), "Integration of new evolutionary approach with artificial neural network for solving short term load forecast problem" *Applied Energy*, (SCI Indexed, I.F. 7.18) Volume 217, 1 May 2018, Pages 537-549, Elsevier.
7. Pragya Dwivedi, Vibhor Kant & Kamal K Bharadwaj (2017), "Learning Path Recommendation based on Modified Variable Length Genetic Algorithm", *Education and Information Technologies*, Volume 23(2), pages 819-836, Scopus Indexed, Springer
8. Vibhor Kant, Tanisha Jhalani & Pragya Dwivedi (2017), "Enhanced multi-criteria recommender system based on fuzzy Bayesian approach" *Multimedia Tools & Applications*, Volume 77(10), pages 12935-12953, (SCIE & Scopus Indexed, I.F. 1.530), Springer
9. Priyankar Choudhary, Vibhor Kant & Pragya 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)
10. AK Sahu, Pragya Dwivedi & Vibhor Kant (2018), "Tags and Item Features as a Bridge for Cross-Domain Recommender Systems", *Procedia Computer Science*, 125, 624-631, Scopus Indexed, Elsevier (through Conference)
11. Pragya 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. 1.18 ), Wiley Publishing, Vol. 32 (2), pp 264–276.
12. Vibhor Kant and Pragya Dwivedi (2015). An Evidential Trust Model for Web Services Based on Fuzzy Sets. *Procedia Computer Science*, Elsevier, Vol.57, pp 537– 544.
13. Pragya 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), 2013, 16(4), 201-216.
14. Pragya 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. Arpit Goswami, Pragma Dwivedi & Vibhor Kant (2018), "Trust-Enhanced Multicriteria Recommender System" *Soft Computing: Theories and Applications*, 439-448, Book Chapter, Published by Springer.
2. Manish Jaiswal, Pragma Dwivedi, 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.
3. Tanisha Jhalani, Vibhor Kant & 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. 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
2. Priyanka Singh, KK Mishra, 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
3. GS Majumdar, Pragma Dwivedi & 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.
4. P Chodhary, Vibhor Kant & 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.
5. 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.
6. 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,
7. 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.
8. 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,.
9. 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, .