

Dr. Vijay Rana

Assistant Professor

Specialization: Artificial Intelligence
Cell: 8894757809
E.mail: vijay.rana93@gmail.com



Ongoing Research Projects

Role of Phanera Vahli Leaves / Bauhinia Vahli (Taur) Sustainable Livelihood of the Financially Weaker Sections in Kangra, Himachal funded by ICSSR, Government of India (Principal Investigator).

Best 10 Research Papers

- Rana, V., Thukral, S., Sharma, S., Thakur, K. K., & Sharma, K. 2025. An automatic fruit harvesting system for sustainable agricultural practices: challenges and implementation. *New Zealand Journal of Crop and Horticultural Science- Taylor & Francis*, 1-25. (IF: 1.5)
- Thukral S, Rana V. 2019. Versatility of Fuzzy Logic in Chronic Diseases: A Review, *Journal of Medical Hypotheses*, Elsevier, 122(1): 150-56 (IF: 4.411).
- Sharma, S., Rana, V. 2022. Automatic recommendation system based on hybrid filtering algorithm. *Education and Information Technologies*. Springer, 27(2): 1523–38 (IF: 3.666).
- Sharma, S., Rana, V. 2021, Deep learning based semantic personalized recommendation system. *International Journal of Information Management Data Insights*, Elsevier 1(2): 1-7.
- Sunita, Rana V. 2022. Web URLs retrieval with least execution time using MPV clustering approach, *International Journal of Information Technology*, Springer. 14(1): 1211–19.
- Sunny S, Sunita and Rana V. 2018. A semantic framework for ecommerce search engine optimization, *International Journal of Information Technology-Springer*. 11(1): 31-36.
- Sunita, Singh G and Rana V. 2021, A Method for Webpage Classification based on URL using Clustering, *Recent Advances in Computer Science and Communications*. 14(2): 442-47.
- Sharma S and Rana V. 2021, A Systematic Literature Review of Web Search Personalization, *Recent Advances in Computer Science and Communications*, 14(7): 2079-86.
- Sunita and Rana V. 2019. Optimizing Performance of User Web Browsing Search. *Communications in Computer and Information Science*, Springer. 956(1): No1, pp 230-39
- Sunita, and Rana V. 2019. An optimizing preprocessing algorithm for enhanced web content. *Advances in Intelligent Systems and Computing*, Springer. 1053(1):63-72.

Awards & Recognitions

- Young Scientist Award (Basic Sciences) in the 1st series of “Sant Baba Malkit Singh Ji Memorial Award-2019” by Sant Baba Bhag Singh University, Jalandhar, India.
- Outstanding Achievement award (Academic), 2020, by SBBSU, Jalandhar, India.