Shaheed Rajguru College of Applied Sciences for Women
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Faculty Profile

Name	**Dr. Suruchi Chawla**	
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Degree	**Institution**	**Year**
B.E(Hons) Computer Science	SBMN College,MDU	2002
M.Tech(Computer Science)	Department of Computer Science, Kurukshetra University	2004
Phd(Computer Science)	Department of Computer Science, University of Delhi	2011

Areas of Interest / Specialization

Machine Learning, Information Retrieval, Recommender System, Soft Computing

Publications Profile

[1] S. Chawla and P. Bedi, "Improving Information Retrieval Precision by Finding Related Queries with Similar Information Need Using Information Scent," *In 2008 First International Conference on Emerging Trends in Engineering and Technology*, pp. 486–491, Jan. 2008, doi: 10.1109/icetet.2008.23.

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[11] S. Chawla, "Application of hybrid of Fuzzy Set, Trust and Genetic Algorithm in query log mining for effective Information Retrieval," *International Journal of Intelligent Systems and Applications in Engineering*, vol. 1, no. 6, pp. 47–52, Mar. 2018, doi: 10.18201/ijisae.2018637930.

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[13] S. Chawla, "Application of fuzzy C-Means clustering and semantic ontology in web query session mining for intelligent information retrieval," *International Journal of Fuzzy System Applications*, vol. 10, no. 1, pp. 1–19, Jan. 2021, doi: 10.4018/ijfsa.2021010101.

[14] S. Chawla. "Application of Deep Learning Model Convolution Neural Network for Effective Web Information Retrieval". In Handbook of Research on Machine Learning Techniques for Pattern Recognition and Information Security (pp. 100-120). IGI Global,2021.

[15] S. Chawla, "Application of convolution neural networks in web search log mining for effective web document clustering," *International Journal of Information Retrieval Research*, vol. 12, no. 1, pp. 1–14, Mar. 2022, doi: 10.4018/ijirr.300367.

[16] S. Chawla. "Deep Web Search Log Mining Using Spark for Efficient and Scalable Web Information Retrieval". In Computational Vision and Bio-Inspired Computing: Proceedings of ICCVBIC 2022 (pp. 19-31). Singapore: Springer Nature Singapore,2023.

Awards and Distinctions