

Dr. Shalini Sharma

Designation Associate Professor
Department Computer Science
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EDUCATION QUALIFICATION

Subject	Institution	Year	Details
Ph.D	Galgotias University	2024	Analysis and Design of Software Reliability Models for Big Data using Soft Computing.
M.Phil	J.R.N Rajasthan Vidyapith	2006	1 st Div.
M.C.A	Banasthali Vidyapith	1998	1 st Div.
B.Sc	Banasthali Vidyapith	1995	1 st Div.

CAREER PROFILE

Organization	Designation	Duration	Role
Bhaskaracharya College Of Applied Sciences	Assistant Professor	August 1998 to September 1998	Teaching
Kalindi College	Associate Professor	September 1998 to till data	Teaching Research and Academic activities

Research Interests/Specialization

Software Reliability, Graphics, Networking. Computer System Architecture, Compiler Design, C++

Administrative Assignments / Contribution to corporate life

2024-25	Member of E waste committee and PTSI committee.
2023-24	Worked as Nodal Officer Viksit Bharat Campaign@2047, Convener : Students Union, Convener: E-Waste Committee, co-convener: Physical verification committee
2019-20	Appointed as Co-convener of National conference organized by computer science department, 2019.
2018-19	Departmental incharge (2018-2020)

2017-18	Appointed as AQAR criteria IV convener from 2017 till 2020, Appointed as Convener printing and design in national science seminar organized by science departments in 2017.
2016-17	Worked as Wi-Fi committee member, 2016 till 2020, Appointed as B.Voc Coordinator from 2016 till 2020.
2015-16	Worked as Co-convener of orientation, (2015 to 2020)
1998-2015	<ul style="list-style-type: none"> • Convener of cultural event Iehren in 2008 and co-convener in 2009. • Worked as Purchase committee member. • Worked as Technical committee in-charge and member. • Part of cultural committee for all college functions (Freshers, Cultural Fest: Solo dance, Group Dance, Antakshri, One Act Play, Annual day, Sports Day) either in capacity of member, co convener, and convener since 1998. • Worked as Students Union Advisor for few years. • Worked as Sports committee member. • Worked as Cultural clubs (dance and music) execution committee co-ordinator

Courses Taught

B.Sc. (H) Computer Science, B.Sc. (Physical Sciences), B.Sc. (G) Computer Science, B.A(P) Computer Application, BIS, B.Tech(Comp. Sc.)

Subjects Taught

Programming Languages – C++, Data Structures, Operating system, Networking, Graphics, Computer System Architecture.

Publication (Peer Reviewed/Indexed Journals)

1. Sharma, S., Kumar, N., & Kaswan, K. S. (2024). Reliability modelling using ranking algorithm for parameter evaluation. *International Journal of System Assurance Engineering and Management*, 15(3), 1245-1260.
2. Sharma, S., Kumar, N., & Kaswan, K. S. (2023). Hybrid Software Reliability Model for Big Fault Data and Selection of Best Optimizer Using an Estimation Accuracy Function. *International Journal on Recent and Innovation Trends in Computing and Communication*, 11(1), 26-37.
3. Sharma, S., Kumar, N., & Kaswan, K. S. (2021). Big data reliability: A critical review. *Journal of Intelligent & Fuzzy Systems*, 40(3), 5501-5516. DOI: 10.3233/JIFS-202503. S. Sharma, N. Kumar, and K. S. Kaswan (2021). Ranking of Reliability Models based on Accurate Estimation and Weighted Function. *Proc. - 2021 3rd Int. Conf. Adv. Comput. Commun. Control Networking, ICAC3N* , pp. 1679–1685, doi: 10.1109/ICAC3N53548.2021.9725534.
4. Sharma, S., Kumar, N., & Kaswan, K. S. (2019). Big Data Applications in Real World. UGC Sponsored National Conference on Emerging Trends in Information Technology (pp. 158-173). Delhi: Bloomsbury
5. Terrance, A. R., Sharma, S., Sharma, A., Tyagi, K., Shokeen, N., & Saini, N. (2019). In-depth Analysis of the Performance of RSA and ECC in DIGital SIGNature Applications. UGC Sponsered NATIONAL CONFERENCE on Emerging Trends in Information Technology (pp. 15-27). Delhi: Bloomsbury
6. Rajani, Sambyal, P., & Sharma, S. (2018). Sentiment Analysis and Classification of Tweets based on ideologies. 42nd International Academic Conference (pp. 340-

347). Rome: International Institute of Social and Economic Sciences.
DOI:10.20472/IAC.2018.042.041.

Seminar/Workshop/Conferences Presentation/Organisation

1. Participation in Capacity Building Workshop on “E-Content Creation”, held on “0.9.2016 organized by Institute of Lifelong Learning, D.U
2. Participation in Inter College Skill Development Workshop on “Latex and Statistical Techniques” held on 24-25,oct,2016 organized by Computer Science and Maths Department of Kalindi College.
3. Participated in National Seminar on “A Paradigm Shift Towards Empowerment of women” held on 3-4 Feb 2017, sponsored by Department of Science and Technology, and organized by Science Departments, Kalindi College. • Participated in workshop on “Cyber Security” held on 14.8.2018, organized by Computer Science Department, Kalindi College.
4. Participated as co-convener of the organizing committee in “National Conference on Emerging Trends in Information Technology” organized by Department of Computer Science, Kalindi College.
5. Two weeks online short term training programme on research methodology (july 06-18, 2020) organized by GAUTAM BUDDHA UNIVERSITY, Noida,U.P.
6. Completed two week refresher course in Engineering,Physical Science and Management uring 19 31 october 2020 organized by Bharti Vidyapith’s Institute of Computer Applications(BVICAM).
7. Attended 5 days FDP cum Workshop on A.I, , form 2nd -6th April 2021, organized by Aurobindo College,D.U. Attended 5 days workshop on Data Analysis using Python, from 24th – 28th June 2021, organized by Maitreyi College,D.U
8. Attended 2 weeks FDP on “Usage of ICT in Education: Challenges and Opportunities during Covid19”, from 02nd July- 15th July, 2021 organised by Mahatma Hansraj Faculty Development Centre Hansraj College, University of Delhi in collaboration with Department of Mathematics, Chaudhary Charan Singh University, Meerut

Research Projects (Minor/Major Grants/Research Collaboration)

Minor Projects funded by Kalindi College

- Study of Security issue in Manet, 2018-2019.
- Application of Data Analysis in Education, 2019-2020.