Title	Ms.	First Name	Mansi	Last Name	Sood	Photograph

Designation	Assistant Professor
Department	Computer Science
Address (Campus)	Shyama Prasad Mukherji College for Women, University of Delhi, Road No.57, Punjabi Bagh, New Delhi- 110026
Phone Number(Campus)	+91 (0) 11 25224499, +91 (0) 11 25221672
Fax	
Email	mansii.sood@gmail.com, mansii.sood@spm.du.ac.in
Education	Pursuing Ph.D., M.Sc. Computer Science, B.Sc. (Hons.) Computer Science

Subject	Institution	Details
Computer Science	Department of Computer Science, University of Delhi	Pursuing Ph.D.
Computer Science	Department of Computer Science, University of Delhi	M.Sc. Computer Science (2006 to 2008 batch) Percentage Score: 81%
Computer Science	Indraprastha College for Women, University of Delhi	B.Sc. (Hons.) Computer Science (2003 to 2006 batch) Percentage Score: 73%

Research Interests/ Specialization

Domain-specific Vocabulary, Text Analytics, Natural Language Processing, Recommender Systems, Design and Analysis of Algorithms, Data Structures, Operating Systems, C++ Programming, Python Programming

Teaching Experience

12+ years Teaching experience, 2.5 years IT Industry experience

1. Working as an Assistant Professor in the Department of Computer Science, Shyama Prasad Mukherji (SPM) College, University of Delhi since November 2023 till date
2. Working as an Assistant Professor (on ad hoc basis) in the Department of Computer Science, Shyama Prasad Mukherji (SPM) College, University of Delhi since January 2011 till 31 October 2023
3. Worked as an Assistant Professor (on guest basis) in the Department of Computer Science, Shyama Prasad Mukherji (SPM) College, University of Delhi from January 2011 to April 2011 and July 2011 to November 2011
4. Worked as Software Engineer with Aricent Technologies (Holdings) Limited for 2.5 years, from June 2008 to November 2010

Publications:

Research Papers in Journals:

1. Sood, M., Gera, J., & Kaur, H. (2022). Creation, Evaluation, and Optimization of a Domain-Based Dictionary. J. Intell. Fuzzy Syst., 43(5), 6123–6136. https://doi.org/10.3233/JIFS-220110, ISSN: 1875-8967 (E), ISSN 1064-1246 (P). Scopus Indexed, SCIE, Journal Impact Factor: 1.76
2. Sood, M., & Kaur, H. (2014). Survey on News Recommendation. International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, 3(6), 9972-9977, ISSN (online) 2278 - 8875, ISSN (Print): 2320 -3765.
3. Sood, M., & Kaur, H. (2014). Preference Based Personalized News Recommender System. International Journal of Advanced Computer Research, 4(15), 575-581. ISSN (online) 2277-7970, ISSN (Print): 2249-7277.
4. Sood, M., & Kaur, H. (2014). Personalized Collaborative News Recommendation. International Journal of Computer Science & Engineering Technology, 5(6), 668-676, ISSN 2229-3345.
5. Bedi, P., Kaur, H., Gupta, B., Talreja, J., & Sood, M. (2011). A Website Recommender System based on Analysis of User's Access Log. Journal of Intelligent Systems, Special Issue on Recent Advances in Artificial Intelligence, 18(4), 333-352, ISSN (online) 2191-026X, ISSN (Print) 0334-1860. https://www.degruyter.com/document/doi/10.1515/JISYS.2009.18.4.333/html. Scopus Indexed

Research Papers in Conferences:

1. Sood M., Kaur H., Gera J. (2022) Information Retrieval Using n-grams. In: Proceedings ICRTAC 20, Raje R.R., Hussain F., Kannan R.J. (eds) Artificial Intelligence and Technologies. Lecture Notes in Electrical Engineering, vol 806. Springer, Singapore. https://doi.org/10.1007/978-981-16-6448-9_34. Scopus Indexed
2. Sood, M., Kaur, H., & Gera, J. (2021). Creating Domain-based Dictionary and its Evaluation using Classification Accuracy. 8th International Conference on Computing for Sustainable Global Development (INDIACom) (pp. 341-347). IEEE. doi:10.1109/INDIACom51348, Electronic ISBN:978-93-80544-43-4, ISBN:978-1-7281-9546-9. Scopus Indexed
3. Arora, T., Mohan, V., Singh, D., Sharma, C., & Sood, M. (2016). A Survey on Existing

Crowdsourcing Systems. National Conference on Advances in Computer and Information Technology, 1(1), 8-13, ISBN 978-93-5258-249-5

4. Talreja, J., Sood, M., Kaur, H., Bedi, P., & Gupta, B. (2009). Using web mining to generate recommendations – A Website Recommender. Proceedings IICAI'09 – 4th Indian International Conference on Artificial Intelligence, ISBN 978-0-9727412-7-9, 333-349. Scopus Indexed

Participation in International Conferences:

1. Presented a paper in INDIACom 2021, 8th International Conference on Computing for Sustainable Global Development held during 17th – 19th March 2021, organized by Bhartiya Vidyapeeth's Institute of Computer Applications and Management, New Delhi, India.
2. Presented a paper at the 3rd International Conference on Recent Trends in Advanced Computing – Artificial Intelligence and Technology (ICRTAC-AIT, 2020) held from 17th – 18th December 2020, organized by the School of Computer Science and Engineering, VIT Chennai, Tamil Nadu, India.

Participation in Workshops/Seminars/FDP

1. Completed the NEP 2020 Orientation & Sensitization Programme in online mode under Malaviya Mission Teacher Training Programme (MMTTP) of Ministry of Education, Government of India organized by Malaviya Mission Teacher Training Centre, Shri Ram College of Commerce (MMTTC, SRCC) from 5-June-24 to 14-June-24
2. Completed 4-week Faculty Induction Programme held from 02 - 31 December, 2023, organised by Teaching learning Centre, Ramanujan College, University of Delhi, under the Ministry of Education sponsored Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) scheme

3. Attended COMPUTE 2021 – 14th Annual Conference organized by ACM India Council and Department of Computer Science, University of Delhi from 18 – 20 November 2021.
4. Presented a talk on Domain-based Dictionary – Creation, Evaluation and its Applications on 11th August 2021 in the Department of Computer Science, University of Delhi in virtual mode.
5. Participated in the Webinar on Managing References Made Easy Using Mendeley conducted by the Department of Computer Science, Miranda House, University of Delhi on 23rd July 2021.
6. Participated in the Webinar on the Latest Trends in the Information Technology Industry conducted by the Department of Computer Science, Shyama Prasad Mukherji College, University of Delhi on 7th November 2020.
7. Participated in Faculty Training Programme for online teaching on Microsoft Teams software conducted by Shyama Prasad Mukherji College, University of Delhi on 28th – 29th August 2020.
8. Participated in a five-day online Faculty Development Programme on Machine Learning Essential for every Researcher conducted by Kongu Engineering College, Perundurai, Erode from 6th – 10th July 2020.
9. Participated in Webinar on Algorithms conducted by Department of Computer Science, Shyama Prasad Mukherji College, University of Delhi in collaboration with

OxfordUniversity Press India on 24th May 2020.

10. Participated in the National Webinar on Transformative Power of Mentoring conducted by IQAC, Shyama Prasad Mukherji College, University of Delhi on 9th May 2020.

11. Participated in Webinar on the Effective Use of ICT Tools in Online Teaching and Learning conducted by the Department of Applied Psychology, Shyama Prasad Mukherji College, University of Delhi on 28th April 2020.

12. Attended a talk on Argument Facets in Social Media Dialogue focused on NLP research organized by the Department of Computer Science, University of Delhi on 10th January 2020.

13. Participated in a 2-day Faculty Development Programme on Introduction to Big Data Analytics conducted by ICT Academy on 6th and 7th December 2018 at Shyama Prasad Mukherji College, University of Delhi

14. Participated in a 2-day Faculty Development Programme on Introduction to R Programming conducted by ICT Academy on 6th and 7th August 2018 at Janki Devi Memorial College, University of Delhi

15. Participated in a one-week Faculty Development Programme on Algorithms conducted in collaboration with ACM India Education and ACM Delhi NCR chapter, organized by the Department of Computer Science, University of Delhi from 7th – 13th July 2016

16. Participated in Workshop on LaTex organized by Department of Mathematics, Shyama Prasad Mukherji College, University of Delhi on 27th September 2016

17. Participated in Workshop on Ethical Hacking and Cyber Security conducted by i3indya Technologies at Shyama Prasad Mukherji College, University of Delhi on 13th and 14th March 2014,

18. Participated in Workshop on Computational Neuroscience organized by Department of Computer Science, University of Delhi from 24th to 31st December 2007.

19. Built fine concepts in C, Operating System, Computer Networks, Software Engineering, Data Structures like stacks, queues, linked lists, trees during three months of training at Aricent Technologies from June to September 2010.

Awards/Recognition:

1. Developed study material/content for B.A. (Programme) course in Department of Distance and Continuing Education under the aegis of Campus of Open Learning/School of Open Learning, University of Delhi

2. Reviewer of international conferences (proceedings published in different Springer series)

3. Member of IEEE (Institute of Electrical and Electronics Engineers) and ACM (Association for Computing Machinery)

4. Received Team SNAP award for Signaling Gateway Project during my tenure at Aricent Technologies Ltd

5. Received Best Project award during training at Aricent Technologies Ltd.

Other Responsibilities (in summary):

1. **Appointed as Paper Setter by University of Delhi for many papers** under curriculum of B.Sc. (Hons.) Computer Science time and again

2. **Appointed as External Examiner by University of Delhi for many practical papers** under curriculum of B.Sc. (Hons.) Computer Science time to time

3. **Member of Family Counselling Centre**, **SPMC** in the academic year 2022 – 2023

4. **Member of Examination Committee, SPMC** for the Academic Year 2021 – 2023
5. **Represented Teacher-Incharge** of the Department of Computer Science, SPMC in 2021.
6. Lead **Admission Committee, Department of Computer Science, SPMC** for B.Sc. (Hons.) Computer Science admissions in the Academic year 2021
7. **Member of Moderation Committee**, Department of Computer Science, SPMC from 2018 till date.
8. **Convened, Co-Convened and Organized** many international and national events like seminars, conferences, webinars, workshops, faculty development programmes, technical festivals, quiz, coding championships, team building activity for Department of Computer Science, SPM College, University of Delhi

Responsibilities (in detailed chronological order)
1. Worked as a paper setter for the Design and Analysis of Algorithms (Old Course) paper in the curriculum of B.Sc. (Hons.) Computer Science II year in June 2024.
2. Worked as co-convener for the event "Tech Insights: Web Development, Projects, and Internship Opportunities" held on 21st February 2024 at Shyama Prasad Mukherji College, University of Delhi.
3. Worked as a paper setter for Data Structures old course paper in the curriculum of B.Sc. (Hons.) Computer Science II year IV Sem examinations December 2023.
4. Worked as co-convener for an International Webinar on Entrepreneurship: The Way to Future held on 24th June 2023 at Shyama Prasad Mukherji College, University of Delhi.
5. Appointed as External Examiner for Design and Analysis of Algorithms practical paper in Ram Lal Anand College, University of Delhi in May 2023.
6. Worked as a paper setter for Data Structures core paper and old course paper in the curriculum of B.Sc. (Hons.) Computer Science II year IV Sem examinations December 2022.
7. Appointed as External Examiner for Data Structures practical paper in Keshav Mahavidyalaya College, University of Delhi in December 2022.
8. Appointed as External Examiner for Design and Analysis of Algorithms practical paper in Keshav Mahavidyalaya and Sri Guru Gobind Singh College of Commerce, University of Delhi in April 2022.
9. Worked as a paper setter for the Design and Analysis of Algorithms (Old Course) paper in the curriculum of B.Sc. (Hons.) Computer Science II year in April 2022.
10. Worked as co-convener for UGC-sponsored National Seminar on Artificial Intelligence: Next Generation of Computing held on 11-12th March 2022 at Shyama Prasad Mukherji College, University of Delhi.
11. Worked as a paper setter for Data Structures (Old Course) paper in the curriculum of B.Sc. (Hons.) Computer Science II year in November 2021.
12. Worked as Convener of the "Code Byte: Online Coding Championship" organized by the Department of Computer Science, Shyama Prasad Mukherji College for Women, University of Delhi, on 1st August 2021.
13. Worked as a paper setter for the Design and Analysis of Algorithms (Old Course) paper in the curriculum of B.Sc. (Hons.) Computer Science II year in April 2021.
14. Coordinated Quizify – an online quiz competition held on 17th January 2021 at the Department of Computer Science, Shyama Prasad Mukherji College, University of Delhi.
15. Worked as External Examiner for Data Structures and Programming Fundamentals using C++ practical papers in Bhaskaracharya College of Applied Sciences and Hansraj College, University of Delhi in November 2019.
16. Reviewed Research Papers published in proceedings of the International Conference on Emerging Trends in Information Technology ICETIT-2019 organized by the Institute of Information Technology & Management (IITM) affiliated with GGSIPU, New Delhi on 21st–22nd June 2019. Proceedings of this conference were published in the Springer Book Series "Lecture Notes in Electrical Engineering" (LNEE).
17. Worked as co-convener for Faculty Development Programme on Introduction to Big Data Analytics conducted by ICT Academy on 6th and 7th December 2018 at Shyama Prasad

Mukherji College, University of Delhi.

18. Worked as External Examiner for Data Structures practical paper at Ram Lal Anand College and Atma Ram Sanatan Dharam College, University of Delhi in November 2018.

19. Worked as co-convener for Cloud Literacy Day celebrated on 30th October 2018 at Shyama Prasad Mukherji College, University of Delhi.

20. Worked as an active member in the International Conference on Ram in Global Art, Culture and Literature organized by Shyama Prasad Mukherji College, University of Delhi on 19-20 April 2018.

21. Worked as Finance Chair in the International Conference on Applications of Computing and Communication Technologies (ICACCT) organized by the Department of Computer Science, Shyama Prasad Mukherji College, University of Delhi on 9 March 2018.

22. Reviewed Research Papers published in proceedings of the International Conference on Applications of Computing and Communication Technologies (ICACCT) organized by the Department of Computer Science, Shyama Prasad Mukherji College, University of Delhi on 9 March 2018. Proceedings of this conference were published in the prestigious Communications in Computer and Information Science series of Springer.

23. Worked as Treasurer at the National Conference on Advances in Computer and Information Technology organized by the Department of Computer Science, Shyama Prasad Mukherji College, University of Delhi on 19-20 December 2016.

24. Coordinated and organized the Annual Technical Festival of the Department of Computer Science - SangTaraash in the years 2016 and 2015.

25. Organized Team building event at the Department of Computer Science, Shyama Prasad Mukherji College, University of Delhi on 19 March 2014.

26. Coordinated and organized various departmental events like Research paper presentations, Freshers' Parties, and Farewell Parties for the Department of Computer Science, Shyama Prasad Mukherji College, University of Delhi.

27. Published 9 research papers in collaboration with other researchers and students

28. Experience in all the phases of SDLC starting from Requirements identification, Subsystem Design, Implementation, Unit testing, and Integration testing at Aricent Tech

29. Prepared test setups, unit test plans, reports, and executed test plans for various modules at Aricent Tech.

30. Developed User manual and API documents incorporating the requirements, valid assumptions, expected inputs, and output from the system at Aricent Tech.

Ms. Mansi Sood