


FACULTY DETAILS PROFORMA

Title	DR.	First Name	DEEPAK	Last Name	SHARMA	Photograph 
Designation		ASSISTANT PROFESSOR				
Office Address ;		ARYABHATTA COLLEGE University of Delhi Plot No 5, Benito Juarez Marg, South Campus, Anand Niketan, New Delhi, Delhi-110021.				
Residence Address ;		WZ 1086 J First Floor Bali Nagar Extn. Basai Dara Pur New Delhi 110015				
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	Residence					
Mobile		9899937815				
Email		deepaksharma@aryabhattachcollege.ac.in				
Web-Page		https://aryabhattachcollege.ac.in/				
Educational Qualifications						
Degree		Institution			Year	
Ph.D.		Gobind Singh Indraprastha University, Delhi			2019	
M.Tech.		Maharshi Dayanand University Rohtak, Haryana			2022	
MCA		Gobind Singh Indraprastha University, Delhi			2012	
BCA		Guru Nanak Dev University, Amritsar, Punjab			2009	
Career Profile						
From 25.10.2021 to till date working as Assistant Professor at Aryabhatta College.						
Administrative Assignments						
Member, NAAC Review Committee, Aryabhatta College (2021-2022) Member, Purchase Committee, Aryabhatta College (2021-2022) Member, Infrastructure Committee, Aryabhatta College (2022-2023) Member, Time Table Committee, Aryabhatta College (2022-2023,2023-2024) Member, Music Society, Aryabhatta College (2023-2024) Member, National Education Policy Implementation Committee, Aryabhatta College (2023-2024) Member, Website Committee, Aryabhatta College (2023-2024) Member, E-Cell, Aryabhatta College (2023-2024) Member, Implementation of Samarth E-Governance Suite, Aryabhatta College (2024-2025) Teacher-in-Charge (2024-2025)						
Areas of Interest / Specialization						
Software Engineering, Artificial Intelligence and Machine Learning Techniques						
Subjects Taught						
Software Engineering, Operating System, Data Structure, Database Management System, IT Fundamentals, Office Automation Tools, Programming using C++, , Computer System Architecture, Microprocessor, Data Mining						
Research Guidance						
Approved Supervisor by the Department of Computer Science, University of Delhi.						

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Publications Profile
<ol style="list-style-type: none">1. D. Sharma and P. Chandra, "Factors Analysis and Multiple Linear Regression for fault prediction in software's" published in JARDCS, Vol. 6 (Special Issue) pp. 801-807 (Scopus, UGC Listed).2. D. Sharma and P. Chandra, "Identification of latent variables using factor analysis and use of identification factors for multiple regression to predict faults in multiple software's" published in IJSAEM, Vol. 10 Issue no. 6 Springer pp. 1453-1473 (ESCI, Scopus, UGC Listed).3. D. Sharma and P. Chandra, "Linear Regression with Factor Analysis in Fault Prediction of Software" published in Journal Interdisciplinary Mathematics, Taylor and Francis Vol. 23 Issue no. 1 Springer PP. 11-19 (ESCI, Scopus, UGC Listed)4. D. Sharma and P. Chandra, "Towards recent developments in the methods metrics and datasets of software fault prediction" published in IJCSYE, Vol. 6, Issue no. 1, 2020: pp. 14-45 Inderscience.5. D. Sharma and P. Chandra, "A comparative analysis of soft computing techniques in software fault prediction model development." published in International Journal of Information Technology, Vol 11, Issue no. 1 (2019): 37-46. (Scopus, UGC Listed).6. D. Sharma, "A brief on usage of soft computing approaches in software metric and testing" published in IJRSE, Vol. 2, Issue no. 10, (2016): pp.78-86.7. D. Sharma, "Early Detection of Factors, Including Pandemics and Disasters, Leading to Language Endangerment: Thinking Statistically" published International Research Journal. Vol. 11, Issue no. 1, (2021): pp.31-35. (Impact factor 5.432)8. D. Sharma et al., "Change Detection in Remote Sensing Image Data Comparing Algebraic and Machine Learning Methods." Published in Electronics, (SCI Impact factor 2.4).9. D. Sharma et al., "An Empirical Analysis of Software Fault Proneness Using Factor Analysis with Regression." Published in Multimedia Tools and Applications, Springer (SCI Impact factor 3.6)10. D. Sharma et al., "Towards intelligent industrial systems: A comprehensive survey of sensor fusion techniques in IIoT" Published in Measurement: Sensors, Elsevier (Scopus, UGC Listed).11. D. Sharma et al., "Entity-Aware Data Management on Mobile Devices: Utilizing Edge Computing and Centric Information Networking in the Context of 5G and IoT" Published Mobile Networks and Applications, Springer (SCI Impact factor 3.8).12. D. Sharma et al., "Intrusion detection system using hybrid convolutional neural network" Published Mobile Networks and Applications, Springer (SCI Impact factor 3.8).
Conference Organization/ Presentations
<ol style="list-style-type: none">1. D. Sharma and P. Chandra. "Applicability of Soft Computing and Optimization Algorithms in Software Testing and Metrics—A Brief Review." In International Conference on Soft Computing and Pattern Recognition, pp. 535-546. Springer, Cham, 2016 (Scopus Indexed).2. D. Sharma and P. Chandra, "Soft Computing Based Software Testing—A Concise Travelogue." In Proceedings of Sixth International Conference on Soft Computing for Problem Solving, pp. 220-228. Springer, Singapore, 2017 (Scopus Indexed).3. D. Sharma and P. Chandra, "Software Fault Prediction Using Machine-Learning Techniques." In Smart Computing and Informatics, pp. 541-549. Springer, Singapore, 2018 (Scopus Indexed).4. D. Sharma and P. Chandra, "Efficient Fault Prediction Using Exploratory and Causal Techniques." IEEE,

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<p>London, 2018 (Scopus Indexed).</p> <p>5.D. Sharma Computational Modelling in language endangerment. National Conference on Language Diversity, Endangerment, and Vitalization: Agenda and Roadmap National Law University, Delhi, 2017</p> <p>6.D. Sharma Identifying Influential Factors, Software's and Techniques for Language Endangerment Using Computational Modelling. National Conference on The Approaches and Methodologies for the study of Indigenous and Endangered Languages National Law University, Delhi, 2018</p> <p>7.D. Sharma Multiple Statistical Approaches for Language Endangerment. International Conference on Endangered Languages National Law University, Delhi, 2017.</p> <p>8.D. Sharma Detection of influential factors and techniques for language endangerment using mathematical modelling in COVID-19 American Institute of Physics Proceedings 2023. (Scopus Indexed).</p> <p>9.D. Sharma The use of blockchain technology in IoT-based healthcare: A concise guide. Blockchain Technology Solutions for the Security of IoT-Based Healthcare Systems, Academic Press. 2023 (Scopus Indexed).</p>
Research Projects (Major Grants/Research Collaboration)
NA
Awards and Distinctions
UGC NET(Ex.)2016,2018
Received Doctoral Research Fellowship from GGSIP University, Delhi.
Received Foreign Travel grant for IEEE conference, United Kingdom (2018)
Received Best Presenter Award NCRIMR-2022
Received Best Presenter Award VINC-2022
Received Best Presenter Award SMMET-2022
Association With Professional Bodies
NA
Other Activities
Technical Program committee member
1. International Conference on Role of ICT in Higher Education: Trends, Problems and Prospects (ICRIHE - 2020) Organized by Institute of Information Technology and Management, Janakpuri, Delhi (AICTE Approved - NAAC Accredited and Affiliated to GGSIP University, New Delhi)
2. International Semantic Intelligence Conference (ISIC-2021) Organized by National Institute of Technology, Kurukshetra, Haryana, India
Session chair
1. 1st international conference on computational research and data analytics, ICCRDA-2020, Jointly Organized by: Suleyman Demirel University, Turkey & Isparta Applied Sciences University, Turkey and College of Engineering Roorkee, India 24th October 2020.

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(<http://icclab.com/Conference%20Special%20Sessions.html>).

2. 4th International (Online) Conference on Recent Trends in Communication & Electronics (ICCE-2020) Organized by Department of Electronics & Communication Engineering, Krishna Institute of Engineering & Technology (KIET), Dr. A.P.J. ABDUL KALAM Technical University. (<https://www.kiet.edu/icce2020/index.php?/home/speakers#speakers>).

Seminar

Attended National seminar on “Information and Communication Technology (ICT) in University Governance”, Organized by Communication and Information Services, Jawaharlal Nehru University, New Delhi.

Reviewer In International Conferences

International Conference on Computing, Communication, and Intelligent Systems (Co-Sponsored by IEEE organised by School of Engineering and Technology, Sharda University, Greater Noida, Uttar Pradesh, India held on 19th-20th February 2021.

International Conference on Computing, Communication, and Intelligent Systems (Co-Sponsored by IEEE organised by School of Engineering and Technology, Sharda University, Greater Noida, Uttar Pradesh, India held on 19th-20th February 2021.

Conference Attended

1. Attended 5 day's young scientist conference which is part of India International Science Festival 2015, IIT Delhi.
2. Attended and volunteered 3 day's International conference on computational techniques in information and communication technology 2016, USICT, GGSIPU.
3. Participated 3 day's International conference on current trends in graph theory and computations.
4. NCIRCSIT 2019 at IITM and VUCA digital era 2020 at IITM.

Training's / Workshop/ FDP's/STTP/FIP/Refresher/Webinar

1. 4-Week Induction/Orientation programme for faculty in universities/colleges/institutes of higher education under the aegis of Ministry of Education.
2. Training from Government of India, Ministry of Communication and Information Technology.
3. Training from NITTTR, Chandigarh in Cyber Threats and Computer Security Measure.
4. Workshop on Capacity Building / FDP's on Cloud Computing from USICT, GGSIPU.
5. Workshop / FDP on Advances in Information Security from CSE Department, DTU.
6. Training from JNU, Delhi in “URKUND” tool Plagiarism.
7. Workshop / FDP on Image processing using MATLAB from USICT, GGSIPU.
8. Workshop on Nature inspired optimization techniques, South Asian University.
9. Training from NITTTR, Chandigarh in Introduction to system designing.
10. International workshop on machine learning and its applications, South Asian University.
11. International workshop on computational intelligence and its applications, South Asian University.
12. Training from Department of science and technology, Government of India in Big Data analytics.
13. Workshop on enhancing research impact from JNU and OXFORD University.
14. International research workshop on cloud computing, JNU.

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15. International workshop on Hybrid soft computing and data analytics, South Asian University.
16. Tri-national winter university (Germany, France, India), National Law University.
17. International research workshop on Big data analytics, JNU.
18. Short term course on “International security and digital forensics”, NSIT.
19. Short term course on “Advances in soft computing techniques for solving engineering problems”, NSIT.
20. Short term course on Artificial Intelligence from UDEMY.
21. Semester LaTeX training from IIT, Bombay.
22. AICTE Training And Learning (ATAL) Academy Online FDP on "Artificial Intelligence" from 08-06-2020 to 12-06-2020 at (IIIT-Delhi).
23. International Summit on quality indices in higher education 2020 Delhi Technical University.
24. AICTE sponsored online Short Term Training Programme on IoT Challenges and Applications at USICT, GGSIPU from 01.02.2021 to 06.02.2021.
25. FDP on Introduction to Python Programming from ICT Academy, 26.04.21 to 30.04.21.
26. IP Awareness/Training program under National Intellectual Property Awareness Mission organized by Intellectual Property Office, India February 04,2022
27. 4-Week Induction/Orientation Programme for “Faculty in Universities/Colleges/Institutes of Higher Education” from 21 March – 19 April, 2022
28. Participated in the International Symposium on 5 September, 2022 organised by Buddha Cultural Studies Chair (Dr. C.V. Raman University, Vaishali, India), Intangible Cultural Heritage Department (Heritage Society, Patna, India) and Global Young Leaders (Amsterdam, Netherlands) on the theme Importance of Education and Educators.
29. One-Week Online National Faculty Development Program “Basic IT tools, Advanced Spreadsheet Tools and Statistical Software Package with SPSS” jointly organized by University of Delhi and Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) of Ministry of Education 27th October to 03rd November 2022
30. One Week (Online) Faculty Development Programme on “Significance of Vedic Mathematics in Modern Era” at Aryabhatta College, University of Delhi in collaboration with Shiksha Sanskriti Utthan Nyas & Mahatma Hansraj Faculty Development Centre Hansraj College, University of Delhi. 5th December– 10th December, 2022
31. 5-day Faculty Development Programme on Online Education: An Evolving Paradigm from 13 -17 February 2023.
32. 4-Week Induction/Orientation Programme for “Faculty in Universities/Colleges/Institutes of Higher Education” from 22 November - 21 December, 2023
33. Participated in the IEEE Madras Section Sponsored 5 Days 4 Faculty Development Program (Hybrid Mode) on "Emerging Trends in Artificial Intelligence and Deep Learning" organized by Department of Electronics and Communication Engineering held from 26.12.2023 to 30.12.2023.
34. Participated in a National Webinar on Awareness of “MALAVIYA MISSION TEACHER TRAINING PROGRAM” organized by Guru Angad Dev Malaviya Mission Teacher Training Centre, SGTB Khalsa College, University of Delhi held on 22nd October 2023.
35. Two Weeks Online Training Programme on “NEP 2020 Orientation & Sensitization Programme” (01st January – 14th January, 2024) under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission(UGC) organized by Mahatma Hansraj Malaviya Mission Teacher Training Centre (MH-MMTTC), Hansraj College, University of Delhi.

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36. Completed online two - week Interdisciplinary Refresher Course in “ADVANCED RESEARCH METHODOLOGY” from 26 April - 09 May, 2024 under the aegis of MINISTRY OF EDUCATION MALAVIYA MISSION ON TEACHERS AND TEACHING PROGRAM.

CERTIFICATIONS

ORACLE DBA certification.

SQL expert exam from Oracle scored **87%**.

Oracle Administration I for DBA scored **88%**.

Oracle Administration II for DBA scored **87%**.

Course done from HIGH TECHNOLOGIES SOLUTIONS, Delhi in Software Quality Testing (Manual and Automated) (Basics of QTP 9.2 TOOL).