




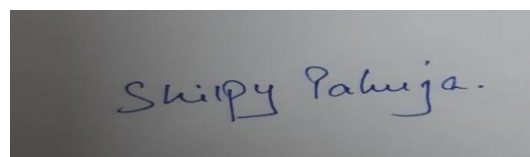
DEPARTMENT OF COMPUTER SCIENCE
DYAL SINGH COLLEGE, UNIVERSITY OF DELHI
FACULTY DETAIL



Title	Dr.	First Name	Shilpy	Last Name	Pahuja	Photograph
Designation	Assistant Professor					
Address	D-24, Saket Court Residential Complex, Saket, Delhi-110017					
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Mobile	8860069677					
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Web-Page						
Educational Qualifications						
Degree	Institution				Year	
PhD	Maharishi Markandeshwar Deemed to be University, Mullana, Ambala, Haryana				2021	
M.Tech	Punjabi University, Patiala, Punjab				2009	
B.Tech	Punjab Technical University, Punjab				2007	
Career Profile						
Three years of Teaching Experience and worked as a consultant in Delhi Technological University, Delhi for apprx. one and a half year and contributed in many projects.						
Administrative Assignments (From 1 st July 2018 onwards)) Since Joining						
<ol style="list-style-type: none">1. Member of Drug Free Committee of Dyal Singh College.2. Convenor of Cyber Jagrookta Events Team, Dyal Singh College.3. Co-convenor of COMEST Society Election Committee, Department of Computer Science, Dyal Singh College.4. Member of Practical Examination Committee, Department of Computer Science, Dyal Singh College.5. Member of Annual Departmental Fest Committee, Department of Computer Science, Dyal Singh College.6. Member of Alumni Association Committee, Department of Computer Science, Dyal Singh College.7. Member of Formation of Mentor-Mentee Groups, Department of Computer Science, Dyal Singh College.8. Member of Parent Teacher Association, Department of Computer Science, Dyal Singh College.						

Areas of Interest / Specialization
Wireless Sensor Networks, Digital Image Processing
Subjects Taught
Computer System Architecture, Data Analysis and Visualization using Python, Computer Graphics, DBMS, Computer Networks, Programming using Python, Multimedia and Web Designing, Operating System, Data Mining
Research Guidance
Publications Profile (From 1 st July 2018 onwards)
<ol style="list-style-type: none"> 1. Published a paper titled “Multilevel IDS to Mitigate DoS Attack in Wireless Sensor Networks”, Shilpy Ghai and Vijay Kumar, in Journal of Computational and Theoretical Nanoscience (JCTN), Volume 17, Number 6, June 2020, pp-2452-2459. (Scopus Indexed) 2. Published a paper titled “Dynamic Queue Synchronization for Congestion Control over Wireless Sensor Networks”, Shilpy Ghai, Vijay Kumar and Rohit Vaid , in Journal of Computational and Theoretical Nanoscience (JCTN), Volume 17, Number 6, June 2020, pp-2562-2574. (Scopus Indexed) 3. Published a paper titled “Energy Efficient Transmission in Wireless Sensor Networks”, Shilpy Ghai, Vijay Kumar, in International Journal of Research in Electronics and Computer Engineering (IJRECE), Volume 6, Issue 1, Jan-March 2018, pp 331-337.
Conference Organization/Presentations (From 1 st July 2018 onwards)
<ol style="list-style-type: none"> 1. Presented a paper titled “Optimized Multi-level Data Aggregation Scheme (OMDA) for Wireless Sensor Networks”, in 1st International Conference on Mobile Radio Communications and 5G Networks (MRCN 2020), U.I.E.T, Kurukshetra, 13-15 July 2020. (Scopus Indexed) Proceedings published by LNNS Springer
Research Projects (Major Grants/Research Collaboration) (From 1 st July 2018 onwards)
Awards and Distinctions (From 1 st July 2018 onwards)
Association With Professional Bodies

Other Activities like MOOCs/ Patents etc. (From 1 st July 2018 onwards)
Workshops/FDPs/Conferences attended
<ul style="list-style-type: none"> A 4- week Faculty Induction/Orientation Programme for "Faculty in Universities/ Colleges/ Institutes of Higher Education from 20 Feb 2023 - 21 March 2023 from Teaching Learning Centre, Ramanujan College, University of Delhi.



Signature of Faculty Member