



Faculty Profile: Name of the Faculty
Department of Faculty Member
Ram Lal Anand College, University of Delhi



Title	Dr.	First Name	Vandana	Last Name	Gandotra	Photograph
Designation	Associate Professor					
Address	H.NO. 3071, Joy Apartments, Plot No. 2, Sector – 2, Dwarka, New Delhi – 110075 India					
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Institutional Web page						
Google Scholar	https://scholar.google.com/scholar?hl=en&as_sdt=0%2C5&q=vandana+gandotra&btnG=					
Research Gate	https://www.researchgate.net/scientific-contributions/Vandana-Gandotra-71123211					
ORCID ID	https://orcid.org/0009-0003-0206-9220					
Scopus ID						
Researcher ID						
Vidwan ID	402860					
Educational Qualifications						
Degree	Institution				Year	
Ph.D.	University of Delhi				2013	
Career Profile						
Teaching Experience of over 27 years in Delhi University						
Administrative Assignments						

- Convenor of IT Infrastructure Committee (May'22 to till date)
- Convenor of SUGAM (Differently Abled Students Welfare) Committee - (May'21 to May'23)
- Advisor of SUGAM Committee (May'23 to till date)
- Dy. Superintendent and Coordinator for Conducting Semester Exams in the College (May'22 to till date)
- Convenor of Hasratein Dramatics Committee (2019 – 2021)
- Convenor of Admission Counselling (2023 - 2024)
- Convenor of Alumni committee
- Convenor of College Website Committee (2018-19 & 2019-20)
- Convenor of NIRF committee (2023-24)
- Co- Convenor of College Admissions (2017-18)
- Convenor of Admissions in Department of Computer Science (1998-2005, 2006-07, 2008-09, 2012-13,2013-14, 2017-18, 2019-20,2021-22)
- Member of Library committee (1998 -2005, 2006-07, 2008-09, 2012-13,2013-14, 2017-18, 2019-20,2021-22)
- Member of Anti Ragging and Discipline Committee
- Member of Student Union Advisory Committee (2020-21 & 2022-23)
- Member of Student Fee Concession Committee
- Member Student Award committee
- Member Women Welfare Advisory Committee
- Established Computer Department of Ram Lal Anand College in 1998.

Areas of Interest / Specialization

- Software Engineering
- Software Security
- Multi -agent systems
- Fuzzy Systems
- Artificial Intelligence

Subjects Taught

Digital Electronics, Computer System Architecture, Microprocessors, Python, Software Engineering, Computer Fundamental, Operating System, Data Base Management Systems

Research Guidance

Guiding a student who is pursuing PhD from Delhi University in the field of Artificial Intelligence and Machine Learning along with Dr Archana Singhal

Publications Profile

- Vandana Gandotra, Archana Singhal, and Punam Bedi, Identifying Security Requirements Hybrid Technique, in the Proceedings of the 4th International Conference on Software Engineering Advances (ICSEA), Porto, Portugal, IEEE Computer Society, pp. 407-412, September 2009.
- Punam Bedi, Vandana Gandotra, Archana Singhal, Vandita Vats and Neha Mishra, Avoiding Threats Using Multi Agent System Planning for Web Based System, in the Proceedings of the 1st International conference on Computational Collective Intelligence – Semantic Web, Social Networks and Multiagent Systems, Wroclaw, Poland, LNAI, Springer-Verlag Berlin Heidelberg, Volume 5796/2009, pp. 709-719, October 2009.
- Vandana Gandotra, Archana Singhal and Punam Bedi, Threat Mitigation, Monitoring and Management Plan - A New Approach in Risk Management, in the Proceedings of the International Conference on Advances in Recent Technologies in Communication and Computing, India, IEEE Computer Society and ACM Digital Library, pp. 719- 723, October 2009.
- Vandana Gandotra, Archana Singhal and Punam Bedi, A Step towards Secure Software System Using Fuzzy Logic, in the Proceedings of IEEE 2nd International Conference on Computer Engineering and Technology, Chengdu, China, IEEE Explore, pp. 417-422, April 2010.
- Vandana Gandotra, Archana Singhal, Punam Bedi, Cross Threats Evaluation and Control in Proactive Risk Management, in the Proceedings of International Conference on Security Science and Technology (ICSST), Published in the Journal Energy Procedia (Elsevier), Volume 13, pp. 4253-4262, January 2011.
- Punam Bedi, Vandana Gandotra, Archana Singhal, Himanshi Narang and Sumit Sharma, Optimal Countermeasures Identification Method: A New Approach in Secure Software Engineering, European Journal of Scientific Research, ISSN 1450-216X, Vol.55, No.4, pp. 527-537, July 2011.
- Vandana Gandotra, Archana Singhal, Punam Bedi, Layered Security Architecture for Threat Management using Multi-Agent System, ACM SIGSOFT Software Engineering Notes, Volume 36, Number 5, DOI: 10.1145/2020976.2020984, pp.1-11, September 2011.
- Vandana Gandotra, Archana Singhal and Punam Bedi, MASPTA-O: Multi-Agent System Planning to Avoid Threats Optimally, Information Security Journal: A Global Perspective, Taylor& Francis, Volume 20, Issue 6, pp. 290-310, November 2011.
- Punam Bedi, Vandana Gandotra, Archana Singhal, Himanshi Narang and Sumit Sharma, Threat-Oriented Security Framework in Proactive Risk Management using Multiagent System, Journal of Software: Practice and Experience, Wiley Publishers, 2012.
- Vandana Gandotra, Archana Singhal and Punam Bedi, Threat-Oriented Security Framework: A Proactive Approach in Threat Management, in the Proceedings of Second International Conference on Computer, Communication, Control and Information Technology, 25-26

February 2012, West Bengal, India, Accepted and Presented for Publication in the Journal Energy Procedia, Elsevier, February 2012.

- Punam Bedi, Vandana Gandotra, Archana Singhal, Himanshi Narang and Sumit Sharma, Mitigating Multi-Threats Optimally in Proactive Threat Management, ACM SIGSOFT Software Engineering Notes, Volume 38, Number 1, DOI: 10.1145/2413038.2413041, pp.1-7, January 2013.
- Sakshi, K., Bhomic., S, Kumar, N., Gandotra, V. FEEDU-Android Based One Stop Solution for Feedback Analysis. Aegaeum Journal, 8(8), 694- 707. doi:16. 10089.AJ. 2020.V8I8.285311.3969. (UGC CARE Group II), 2020
- Vandana Gandotra, Sakshi Taresh Khanna, Rishabh Jain, Rishabh Chopra, “Sorting Algorithms Demystified: A Comprehensive Guide with Isort Visualizer”, International Journal of Intelligent Systems And applications in Engineering, ISSN: 2147-6799, IJISAE, 2024, 12(4), 2373–2387|2373.

Chapters in books and e-chapters (Published)

Punam Bedi, Vandana Gandotra, Archana Singhal, Innovative Strategies for Secure Software Development, Chapter in Book “Designing, Engineering and Analyzing Reliable and Efficient Software”, IGI Global Press, pages (2099-2119), 2014.

Conference Organization/ Presentations

- Paper presentation on “Internet at the Service of Man” during Orientation Program (3rd March – 31st March 2003) at Bharti College, University of Delhi.
- Presented paper entitled “From Silicon to CPU’s” during 3-week Refresher course at Centre for Professional Development in Higher Education, University of Delhi from 22nd Sept – 14th Oct 2005.
- Participated in 3rd International conference on Information Systems Security (ICISS) organized by University of Delhi from 16th – 20th December 2007.
- Participated and presented a paper “Threat-Oriented Security Framework: A Proactive Approach in Threat Management” in Second International Conference on Computer, Communication, Control and Information Technology, organized by Academy of Technology from 25th – 26th February 2012, West Bengal, India, Accepted and Presented for Publication in the Journal Energy Procedia, Elsevier, February 2012NA
- Participated in National Symposium on “Disability. Mental Health and Well Being” organized by Ministry of Social Justice and Empowerment on 10th October 2022 at India International Centre, New Delhi on World Mental Health Day 2022.

Research Projects (Major Grants/Research Collaboration)

Project Title: Virtual Screening of Inhibitors Against Hepatitis C Virus

Grant: Rs. 6 lakhs Funding

Agency: University of Delhi

Awards and Distinctions

Recognized by the Department of Computer Science, University of Delhi in the form of Certification Letter highlighting the contribution of Dr. Vandana Gandotra for:

- 1) Curriculum Development of:
 - B. Tech (Computer Science) CBCS 2013
 - B.Sc. (Computer Science): 2007- 08
- 2) Paper setting and evaluation for the following programs:
 - B.Sc. (Hons) Computer Science for the years 2012 -13, 2013 -14, 2014 -15, 2015 -16, 2016 -17, 2017-18, 2018 -19, 2019 - 20, 2020 - 21 and 2021 - 22.
 - B.A (Program) for the years 2015-16, 2016-17, 2017-18.
- 3) Curriculum development of B.A.(Program) for NEP in 2021

Association With Professional Bodies

Former Member of ACM

Other Activities

- Invited by India Today group on their channel “Delhi Aaj Tak” to share expert comments for their show “Race for Admission” on 7th June 2013.
- Participated in the training program on rights of persons with disabilities act 2016 conducted by National Institute of Labor Economics Research and Development (an Autonomous Institute under NITI Aayog, Govt of India) from 11th – 12th January 2022.
- Participated in an online workshop on e-Procurement organized by the National Academy of Human Resource Development from 17th – 18th October 2022.
- Organized 1st Alumni Meet of the college.

