Faculty Profile
(For booklet and website)

Name: Dr. Sonika Gupta

Designation: Assistant Professor

Department: Department of Computer Science & Engineering

Email ID: sonika.gupta@smvdu.ac.in

Year of Join: 2005

Contact Number and Extn.: 01991285696 - 2308

Qualification: M.C.M , M.C.A, Ph.D

Experience:

Teaching:	Research:	Administration:	Total:
19	7	5	19

Areas of Interest / Specialization:

1. Data Mining and Data Analytics
2. Programming Concepts

Brief Bio-data:

Ms. Sonika Gupta, *has Ph.D. from Shri Mata Vaishno Devi University, Bachelor's degree in Commerce and Masters in Computer Management from University of Pune, Maharashtra and Masters in Computer Application from Sikkim Manipal University.*

She is currently working as Assistant Professor in Department of Computer Science & Engineering, Shri Mata Vaishno Devi University, J&K, India, with more than nineteen years of teaching experience. She has worked on an MHRD sponsored project under NMEICT Mission on "ERP Mission Project" in partnership with 9 partner Institutes of repute from Nationwide, namely; IIT, Kanpur(Coordinating Institute), AMU, Aligarh, IGNOU, Delhi, Jamia Milllia Islamia, Delhi, Amrita Vishwa Vidyapeetham, Kochi, DEI, Agra, NIT, Hamirpur, IIT, Rooorkee. The project was sponsored by MHRD and the main objective of the project was to develop web based complete solution software for the academic institutes to automate all the functional activities of any academic institutes. She had contributed to the software by developing functionalities of Finance Management System. She presented papers in international/ national conferences and she has authored several research articles in International journals of repute. She has organized and conducted many workshops and training programs. She has also participated in various training programs and attended several workshops. She is also affiliated with societies like IETE. Her research interests include data mining, data analytics, programming concepts and operating systems. She has associated herself in guiding several under graduate and post graduate students in their projects. She is also associated herself to various university level responsibilities. She is currently holding the post of Associate Dean of Students Welfare (Girls) and Warden. She is also actively involved in departmental activities like organizing National Conferences, Timetable management, infrastructure and curriculum development etc.

Research Profile

Projects Undertaken:

S. No.	Role	Title	Funding Agency	Current Status (Closed/ Running)
1.	Principle Investigator	"MHRD sponsored "ERP Mission Project" Under NMEICT Mission	MHRD	Closed (Developed Finance Management System)
2.	Developer	Modified PAYROLL Software compatible for 6th Pay Commission	-----	Modified the PAYROLL Software compatible for 6th Pay Commission and Modified entire reports produced in the existing Software for the University (SMVDU).
3.	Developer	PAYROLL Software for Finance Section, SMVDU	-----	Automated the Salary Generation and Pay Slip Printing for all the employees of SMVDU (Teaching and non-teaching) in the year 2006.

Research Publications:

S. No.	Year	Publication
1.	2021	Gupta, S., & Mehta, S. K. (2021). Data Mining-based Financial Statement Fraud Detection: Systematic Literature Review and Meta-analysis to Estimate Data Sample Mapping of Fraudulent Companies Against Non-fraudulent Companies. Global Business Review, 0972150920984857
2.	2020	Gupta, S., & Mehta, S. K. (2020). Feature Selection for Dimension Reduction of Financial Data for Detection of Financial Statement Frauds in Context to Indian Companies. Global Business Review, 0972150920928663.
3.	2019	Sonika Gupta (2019). Concept based mining for enhancing text clustering – A Review of Models. Journal of Applied Sciences and Computations. Vol (VI), Issue (III).

Conference Publications:

S. No.	Year	Conference	Publication
1.	2019	International Conference on Management Education: The Road Ahead	Sonika Gupta, Dr. Sushil Mehta, Feature Selection for Dimension Reduction of Financial Data for Financial Statement Frauds, International Conference on Management Education: The Road Ahead, 6– 7 June, 2019, School of Business, S.M.V.D. University, Katra, J&K.
2.	2019	National Conference on Cyber Security and Advances in Computer Technology (Quantonium'19 - NCCSACT),	Sonika Gupta, Concept Based Mining for Enhancing Text Clustering – A Review of Models, National Conference on Cyber Security and Advances in Computer Technology (Quantonium'19 - NCCSACT), 22 March, 2019, Indira College of Eng. And Management, Pune in association with JASC Journal.

3.	2017	International Conference on Machine learning and Computational Intelligence	Sonika Gupta, Dr. Sushil Kr. Mehta, "A Comprehensive Survey of Test Tools Used in Forensic Accounting for Detecting Financial Statement Frauds", International Conference on Machine learning and Computational Intelligence, 27-28 September, 2017
4.	2016	International Conference on Recent Trends and Advancements in Engineering and Technology 2016	Sonika Gupta, Dr. Sushil Kr. Mehta, "Role of Data Mining in Detection of Financial Statement Frauds" , 3rd International Conference on Recent Trends and Advancements in Engineering and Technology 2016 (17-18 November).
5.	2015	National Seminar on Economics of 'Make in India', 2015	Sonika Gupta, Dr. Sushil Kr. Mehta, " Survey of Financial Statement Frauds and It's Impact on Indian Economy", National Seminar on Economics of 'Make in India', 2015 (29-30 September).
6.	2015	ICSSR North-Western Regional Center Sponsored National Seminar on Contemporary Business and Economic Opportunities in North-Western Region – Issues and Challenges, 2015	Sonika Gupta, Dr. Sushil Kr. Mehta, "Financial Ratios as Detector of Financial Statement Frauds – A Review", National Seminar on Contemporary Business and Economic Opportunities in North-Western Region – Issues and Challenges, 2015, (6th March)

Professional Affiliation:

S. No.	Designation	Organization
1	Professional Membership	Institution of Electronics and Technical Engineers