DETAILED PROFILE

1. **Name and Designation:**
   Dr. Naveen Dahiya,
   Associate Professor,
   Department of CSE,
   Maharaja Surajmal Institute of Technology (MSIT),
   C-4, Janakpuri,
   New Delhi-110058

2. **Email id**: naveendahiya@@msit.in

3. **Contact No**: 9818767168

4. **Areas of Interest:** Data Analytics, Data Warehousing

5. **Experience: 16+ Years**

6. **Category**: General

7. **Educational Qualifications**

S No.	Degree	Subject	College and/ or University	Year	Percentage	Division
1.	B.E.	Computer Science & Engg.	M.D.U, Rohtak	2003	75.4	1st div with honors
2.	M.Tech	Computer Engg.	M.D.U, Rohtak	2005	72.2	1st div with honors
3.	Ph.D	Computer Engg.	J.C. Bose YMCA University of Science & Technology, Faridabad, Haryana	2016	-	-

8. **Ph.D Details**

S No.	Title of Thesis	Supervisor/Co-supervisor	University	Year of Award
1.	A Comprehensive Approach Towards Building of An Efficient Information Delivery System	Dr. Manjeet Singh (Supervisor), Dr. Vishal Bhatnagar (Co-Supervisor)	J.C. Bose, Y.M.C.A. University of Science & Technology, Faridabad, Haryana, India	2016

9. **Work Experience**

S No.	Positions Held	Employer Name	From [Month &Year]	To [Month &Year]	Pay Scale (Rs.)
1.	Lecturer	Hindu College of Engg., Sonipat	July 2005	October 2006	8000-275-13500
2.	Lecturer	MSIT, Janakpuri, New Delhi-58	October 2006	July 2010	8000-275-13500
3.	Assistant Professor	MSIT, Janakpuri, New Delhi-58	July 2010	June 2017	15600-37400+6000
4.	Associate Professor	MSIT, Janakpuri, New Delhi-58	June 2017	Till Date	37400-67000+9000

10. **Professional Recognition/ Award/ Prize/ Certificate, Fellowship received by the applicant**

S No.	Award	Awarding Agency	Year of Award
1.	Fellowship of Rs.5000/- per month during M.Tech for qualifying GATE 2003	MHRD	2003-2005
2.	Best Faculty Award	Chairman, Surajmal Memorial Education Society	2016-17

11. **Key Publications**

S No.	Title of the paper along with volume, issue no., year of publication	Indexing
1.	Divya Jatain, Vikram Singh, Naveen Dahiya, A contemplative perspective on federated machine learning: Taxonomy, threats & vulnerability assessment and challenges, Journal of King Saud University - Computer and Information Sciences,2021, ISSN 1319-1578. https://doi.org/10.1016/j.jksuci.2021.05.016.	SCIE (IF:13.4)
2.	Deepti Deshwal, Pardeep Sangwan, Naveen Dahiya, How will COVID-19 impact renewable energy in India? Exploring challenges, lessons and emerging opportunities, Energy Research & Social Science, Volume 77,2021,102097,ISSN 2214-6296. https://doi.org/10.1016/j.erss.2021.102097.	SSCI (6.2)

3.	Pardeep Sangwan, Deepti Deshwal, Naveen Dahiya, Performance of a language identification system using hybrid features and ANN learning algorithms, Applied Acoustics, Volume 175, 2021, 107815, ISSN 0003-682X. https://doi.org/10.1016/j.apacoust.2020.107815.	SCIE (IF: 2.6)
4.	Dahiya N, Bhatnagar V, Singh M. A fuzzy based matrix methodology for evaluation and ranking of data warehouse conceptual models metrics. Int. Arab J. Inf. Technol.. 2018 Mar 1;15(2):202-12.	SCIE
5.	Kumar, Rajeev, Chahal, Savita, Dahiya, Shefali, Dahiya, Naveen, Kumar, Sumit and Lata, Suman. "Experimental and theoretical approach to exploit the corrosion inhibition activity of 3-formyl chromone derivatives on mild steel in $1 m H_2SO_4$" _Corrosion Reviews_, vol. 35, no. 2, 2017, pp. 95-110. https://doi.org/10.1515/corrrev-2017-0029.	SCIE
6.	Dahiya N, Bhatnagar V, Singh M. A fuzzy-based automatic prediction system for quality evaluation of conceptual data warehouse models. International Journal of Data Analysis Techniques and Strategies. 2018;10(3):317-33.	Scopus
7.	Dahiya N, Sangwan P. An Intelligent Ranking Model for Multi-Criteria Decision Making Using Fuzzy Matrix Method. Recent Advances in Computer Science and Communications (Formerly: Recent Patents on Computer Science). 2021 Jul 1;14(5):1448-60.	Scopus
8.	Dahiya N, Bhatnagar V, Singh M. Effective data warehouse for information delivery: a literature survey and classification. International journal of networking and virtual organisations. 2013 Jan 1;12(3):217-37.	Scopus
9.	Dahiya N, Bhatnagar V, Singh M. Efficient Materialized View Selection for Multi-Dimensional Data Cube Models. International Journal of Information Retrieval Research (IJIRR). 2016 Jul 1;6(3):52-74.	ESCI

12. Details of Patents Granted/Published

S No.	Patent Title	Name of Applicants	Patent No.	Award Date	Country	Status
1.	An automatic sanitising device	Naveen Dahiya, Pardeep Sangwan, Deepti Deswal, Dr. K.P. Chaudhary	369023	10/06/2021	India	Awarded
2.	Design and development of	Dr. Naveen Dahiya etal.	202011051563	Not yet awarded	India	published on

S No.	Title		Year of Publication
	microstrip patch antenna for optimized radiation		04/12/2020

13. Books/Reports/Chapters/General articles

S No.	Title	Authors Name	Publisher	Year of Publication
1.	Applications of data mining in software development life cycle: A literature survey and classification (**Book chapter**), pg. 67-79, DOI: 10.4018/978-1-4666-6086-1.ch004, ISBN 9781466660861	Naveen Dahiya, Vishal Bhatnagar, Manjeet Singh, Neeti Sangwan	Data Mining and Analysis in Engineering Field, **IGI Global**	2014
2.	A classification Framework towards application of data mining in collaborative filtering (**Book Chapter**), pg. 100-114, DOI: 10.4018/978-1-5225-0489-4.ch005, ISBN 2327-1981	Neeti Sangwan, Naveen Dahiya	Collaborative Filtering using data mining analysis, **IGI Global**	2016
3.	**Author** of book entitled 'Basic Data Analytics', ISBN 9789387374720	Naveen Dahiya	Research India Publications	2018
4.	**Guest Editor of Special Issue** entitled 'Advances in Intelligent Big Data Analytics', Vol. 7, No. 2/3. (ESCI Indexed)	Naveen Dahiya, Vishal Bhatnagar, Nilanjan Dey	International Journal of Intelligent Engineering Informatics, **Inderscience**	2019
5.	**Guest Editor of Special Issue** entitled 'Advances in Intelligent Data Analytics and Computational Techniques', Vol. 10, No. 2. (ESCI Indexed)	Naveen Dahiya, Vishal Bhatnagar	International Journal of Information Retrieval Research, **IGI Global**	2020

14. Research Projects

S No.	Title of Project	Applicants	Sanctioned Amount	Sponsoring Agency	Duration of the project specifying the date of sanctioning
1.	MODROB Project	Dr. Naveen Dahiya (Coordinator)	10 Lac and 43 Thousand	AICTE	2 Years commencing from 14th January, 2020

15. Training and FDP's

S No.	Name of Training	Name of Training Institution, City	Type of Training and FDPs	Period	
				From	To
1	FDP on Embedded system using ARM and embedded C	MSIT		02 February,2012	04 February,2012
2	QIP on Thesis/Technical Writing	IIT Roorkee	QIP	19 August, 2013	23 August, 2013
3	FDP on Quality Assurance in Engineering and Technology Education	DCRUST, Murthal	TEQIP Sponsored	21 December, 2015	25 December, 2015
4	STC on Introduction to system Designing	AIACT&R, Delhi	NITTR Chandigarh	04 April, 2016	08 April, 2016
5	FDP on Emerging trends in Information Technology	MSIT	ISTE Sponsored	29 February, 2016	04 March, 2016
6	FDP on Big Data Analytics	GGSIPU	DST Sponsored	04 July, 2016	15 July, 2016
7	FDP on Data Science and Big Data Analytics	GGSIPU	ICT Academy	12 June, 2017	16 June, 2017
8	STC on Classroom Communication through ICT	MSIT	NITTR Chandigarh	28 May, 2018	01 June, 2018
9	STC on Data Science using R through ICT	MSIT	NITTR Chandigarh	26 November, 2018	30, November 2018
10	FDP on Contemporary Issues and Challenges in	MSIT	NITTR Chandigarh	05 February, 2019	09 February, 2019

S No.	Name of Course/ Programme				
	Management				
11	FDP on Planning and Management for Institutional Excellence	MSIT	NITTR Chandigarh	18 November, 2019	22 November, 2019
12	Faculty Entrepreneurship Development Program	Organised by IIIT Delhi Innovation & Incubation Centre	FDP supported by DST	15 March, 2021	06 April, 2021

16. Conference/Workshop/Seminar Attended

S No.	Name of Conferences/ Workshops/ Seminars	Name of Institution, City	Type of Conferences/ Workshops/ Seminars	Period	
				From	To
1	National Workshop on Intelligent Systems	HCE, Sonepat	National Workshop	02 July, 2007	06 July, 2007
2	National Workshop on Intelligent systems and Mobile Ad-hoc networks	DCRUST Murthal	National Workshop	10 December, 2007	14 December, 2007
3	Workshop on Embedded system design using PIC. Microcontrollers	HCE, Sonepat	National Workshop	27 October, 2009	28 October, 2009
4	Seminar on Emerging trends and advances in wireless communication	MSIT	Seminar	06 February, 2010	06 February, 2010
5	Mission 10X Workshop	MSIT	Conducted by Wipro	08 February, 2010	12 February, 2010
6	Workshop on Research Methods and Data Analysis using SPSS	MSIT	Workshop	09 November, 2012	10 November, 2012
7	Seminar on Advances in Speech Technology	MSIT	Seminar	27 November, 2017	28 November, 2017
8	Modeling data warehouse using quality metrics: The need of software process.	Amity University, Noida	International Conference, Confluence 2012	27 September, 2012	28 September, 2012
9	An overview of XML and data security.	HCE Sonipat	IEEE National Conference, AIS 2008	13 March, 2008	15 March, 2008

17. Research Guidance

S. No.	Full Name of the student	Title of Thesis	Name of the host University	Year of Award	Supervisor/ Co-supervisor
1	Ms. Neeti Sangwan (M.Tech)	Quality Metrics for data warehouse models	Banasthali University , Rajasthan	2012	Supervisor
2	Ms. Divya Jatain (Ph.D, under supervision)	An artificial Intelligence based approach to efficient data retrieval in big data analytics	CDLU, Sirsa, Haryana	Expected to be completed by 2022	Co-supervisor

18. Any Other Information
- **Member of Editorial Review Board of International Journal of Information Retrieval Research, IGI Global (ESCI Indexed Journal)**
- **Co-Covener of International Conference ICAIA-20 held at MSIT**
- **Qualified GATE 2003 in CSE**
- **Received letter of appreciation from President Surajmal Memorial Education Society in 2016 for academic excellence**
- Head Institute Student Grievance Redressal Committee
- Head Academic Audit Committee
- Head Institute IPR Cell
- Head Intitute Mess and Canteen Committee
- Convened Institute Purchase Committee
- Former HoD CSE Department, 2nd shift
- Acted as DES Exam Cell
- Convener Technical Festival, Avensis 2016
- Convened Networking and Internet of SMES

(Dr. Naveen Dahiya)