

Dr Naveen Dahiya



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Expertise

Computer Science Information Systems

Data Base Analytics

Work experience

1. Maharaja Surajmal Institute of Technology 2023 – Present
Professor in CSE Department and Dean Academics
2. Maharaja Surajmal Institute of Technology 2006 – 2023
Associate Professor in Department of CSE
3. Hindu College of Engineering 2005 – 2006
Lecturer

Education

1. Ph.D - 2016

YMCA University of Science and Technology

2. **M.Tech - 2005**

YMCA University of Science and Technology

3. **B.E. - 2003**

Hindu College of Engineering

Honours and Awards

1. **Letter of Appreciation - 2016**

President, SMES

2. **Best Faculty Award - 2016**

President, SMES

3. **GATE Qualified - 2003**

MHRD

Research Project

Up-gradation of Soft Computing Lab (MODROB Scheme)

Role: Project Co-ordinator

Year 2020, Amount 1043000

Patent

1. **An Automatic Sanitizing Device**

Inventor(s): Deepti Deshwal, Naveen Dahiya, Pardeep Sangwan, K. P. Chaudhary, Assignee:

Published: 2020-11-27

2. **Design and development of Microstrip patch antenna for optimized radiation**

Inventor(s): Aman Dahiya, Nidhi Sindhwani, Deepti Deshwal, A.P. Sengar, Pardeep Sangwan, Naveen

Publication

- 1. An exploration of the causal factors making an online course content popular & engaging**
Divya Jatain, Vikram Singh, Naveen Dahiya
International Journal of Information Management Data Insights, Volume 3, Year 2023, Pages
- 2. An exploration of the causal factors making an online course content popular & engaging**
Divya Jatain, Vikram Singh, Naveen Dahiya
International Journal of Information Management Data Insights, Volume , Year 2023, Pages
- 3. COVID-19 Detection using Hybrid CNN-RNN Architecture with Transfer Learning from X-Rays**
Deepti Deshwal, Pardeep Sangwan, Naveen Dahiya, Umesh Kumar Lilhore, Surjeet Dalal, Sarita Simaiya
Current Medical Imaging, Volume 20, Year 2023, Pages 1-7
- 4. A multi-perspective micro-analysis of popularity trend dynamics for user-generated content**
Divya Jatain, Vikram Singh, Naveen Dahiya
Soc. Netw. Anal. Min., Volume 12, Year 2022, Pages 147
- 5. Economic Analysis of Lithium Ion Battery Recycling in India**
Deepti Deshwal, Pardeep Sangwan, Naveen Dahiya
Wireless Pers Commun , Volume 124, Year 2022, Pages 3263-3286
- 6. Blockchain Base Community Cluster-Federated Learning for Secure Aggregation of Healthcare Data**
Divya Jatain, Vikram Singh, Naveen Dahiya
Procedia Computer Science, Volume 215, Year 2022, Pages 252-62
- 7. Blockchain-Based Federated Machine Learning for Solving IoT Security Problems**
Vikram Singh, Naveen Dahiya
Applications of Blockchain and Big IoT Systems, Volume , Year 2022, Pages 27-56
- 8. Computational Intelligence Techniques for Big Data Analytics: A Contemplative Perspective**
Divya Jatain, Vikram Singh, Naveen Dahiya
Recent Innovations in Computing, Volume , Year 2022, Pages 391-400
- 9. A contemplative perspective on federated machine learning: Taxonomy,**

threats & vulnerability assessment and challenges

Jatain D.;Singh V.;Dahiya N.

Journal of King Saud University - Computer and Information Sciences, Volume 34, Year 2022, Pages 6681-6698

10. **A comprehensive approach for performance evaluation of Indian language identification systems**
Deepti Deshwal, Pardeep Sangwan, Naveen Dahiya, Neelam Nehra and Aman Dahiya
Journal of Intelligent & Fuzzy Systems, Volume 43, Year 2022, Pages 5369-5385
11. **An intelligent ranking model for multi-criteria decision making using fuzzy matrix method**
Naveen Dahiya, Pardeep Sangwan
Recent Advances in Computer Science and Communications, Volume 14, Year 2021, Pages 1448-1460
12. **Performance of a language identification system using hybrid features and ANN learning algorithms**
Sangwan P.;Deshwal D.;Dahiya N.
Applied Acoustics, Volume 175, Year 2021, Pages
13. **How will COVID-19 impact renewable energy in India? Exploring challenges, lessons and emerging opportunities**
Deshwal D.;Sangwan P.;Dahiya N.
Energy Research and Social Science, Volume 77, Year 2021, Pages
14. **Optimization and convergence of machine learning algorithms for leveraging IOT, blockchain and artificial intelligence**
Vikram Bali, Vishal Bhatnagar, Naveen Dahiya, Shivani Bali
IJIRR, Volume 11, Year 2021, Pages
15. **A Novel Approach for Predicting Popularity of User Created Content Using Geographic-Economic and Attention Period Features**
Divya ;Singh V.;Dahiya N.
Advances in Intelligent Systems and Computing, Volume 1164, Year 2021, Pages 463-470
16. **Advances in Intelligent Data Analytics and Computational Techniques**
Naveen Dahiya, Vishal Bhatnagar
IJIRR, Volume 10, Year 2020, Pages
17. **Analyzing the Understandability of Data Warehouse Conceptual Model Using Fuzzy Logic Techniques**
Singh A., Garg J., Rastogi A., Dahiya N
Lecture Notes in Electrical Engineering, Volume 601, Year 2020, Pages 949-959
18. **Advances in Intelligent Big Data Analytics**
Naveen Dahiya, Vishal Bhatnagar, Nilanjan Dey
International Journal of Intelligent Engineering Informatics, Volume 7, Year 2019, Pages

19. **Basic Data Analytics**

Naveen Dahiya

Research India Publication, Volume , Year 2018, Pages

20. **A fuzzy based matrix methodology for evaluation and ranking of data warehouse conceptual models metrics**

Naveen Dahiya, Vishal Bhatnagar, Manjeet Singh

International Arab Journal of Information Technology , Volume 15, Year 2018, Pages 202-212

21. **A fuzzy-based automatic prediction system for quality evaluation of conceptual data warehouse models**

Naveen Dahiya, Vishal Bhatnagar, Manjeet Singh

International Journal of Data Analysis Techniques and Strategies, Volume 10, Year 2018, Pages 317-333

22. **Corrosion inhibition activity of an expired antibacterial drug in acidic media amid elucidate DFT and MD simulations**

Dahiya Shefali, Saini Nisha, Naveen Dahiya, Lgaz Hassane, Salghi Rachid, Jodeh Shehdeh, Lata Suman
Portugaliae Electrochimica Acta, Volume 36, Year 2018, Pages 213-230

23. **Experimental and theoretical approach to exploit the corrosion inhibition activity of 3-formyl chromone derivatives on mild steel in 1 m H₂SO₄**

Rajeev Kumar, Savita Chahal, Shefali Dahiya, Naveen Dahiya, Sumit Kumar, Suman Lata

corrosion reviews, Volume , Year 2017, Pages

24. **An exhaustive study of a coupling reagent (1-(3-dimethylaminopropyl) 3-ethylcarbodiimide hydrochloride) as corrosion inhibitor for steel**

Dahiya Shefali, Kumar Parmod, Lata Suman, Kumar Raman, Dahiya Naveen, Ahlawat Suman

Indian Journal of Chemical Technology, Volume 24, Year 2017, Pages 327-335

25. **Experimental and theoretical approach to exploit the corrosion inhibition activity of 3-formyl chromone derivatives on mild steel in 1 m H₂SO₄**

Corrosion Reviews, Volume 35, Year 2017, Pages 95-110

26. **Study of conceptual models from the perspective of quality metrics**

Naveen Dahiya

IJERMT, Volume 5, Year 2016, Pages 38-40

27. **A classification framework towards application of data mining in collaborative filtering**

Sangwan N.;Dahiya N.

Collaborative Filtering Using Data Mining and Analysis, Volume , Year 2016, Pages 100-116

28. **Efficient materialized view selection for multi-dimensional data cube models**

Naveen Dahiya, Vishal Bhatnagar, Manjeet Singh

IJIRR, Volume 6, Year 2016, Pages 52-74

29. **Enhancing consistency of conceptual data warehouse design**

Naveen Dahiya, Vishal Bhatnagar, Manjeet Singh
International journal of computational systems engineering, Volume 2, Year 2015, Pages 11-24

30. **An empirical experimentation towards predicting understandability of conceptual schemas using quality metric**

Naveen Dahiya, Vishal Bhatnagar, Manjeet Singh
International journal of big data intelligence, Volume 2, Year 2015, Pages 09-22

31. **Applications of data mining in software development life cycle: A literature survey and classification**

Dahiya N.;Bhatnagar V.;Singh M.;Sangwan N.
Data Mining and Analysis in the Engineering Field, Volume , Year 2014, Pages 67-79

32. **An experiment towards metrics validation for data warehouse conceptual models**

Dahiya N.;Sangwan N.;Bhatnagar V.;Singh M.
Proceedings of the 5th International Conference on Confluence 2014: The Next Generation Information Technology Summit, Volume , Year 2014, Pages 116-123

33. **Effective data warehouse for information delivery: A literature survey and classification**

Naveen Dahiya, Vishal Bhatnagar, Manjeet Singh
International Journal of Networking and Virtual Organisations, Volume 12, Year 2013, Pages 217-237

34. **Modeling Data Warehouse using Quality Metrics:The Need of Software Process**

Naveen Dahiya, Vishal Bhatnagar, Manjeet Singh
IJCA Special Issue on Confluence 2012, Volume , Year 2012, Pages 28-31