

DR. NANDINI N

Associate Professor & HOD
Department of CSE
Dr. AIT
Bangalore

She is working in Computer Science and Engineering Department of Dr Ambedkar Institute of Technology. She received her B. E degree in Computer Science and Engineering, SJCE (Mysore) in 2004, VTU,Belagaum, M.Tech degree in Computer Network Engineering, NIE (Mysore) in 2007, VTU, Belagaum. Dr. Nandini N obtained her Ph.D from Bharathiyar Univeristy, Coimbatore (Tamilnadu), India in 2016. She has academic experience of 22+ years. She worked as NBA Coordinator and NIRF Coordinator. Her areas of Interest include Data mining, Web mining, Cloud Computing, Internet of Things, Image Processing, Machine Learning and Data Science.

AREAS OF INTEREST

Data mining, Web mining, Cloud Computing, Internet of Things, Image Processing, Machine Learning and Data Science.

EDUCATIONAL DETAILS

Degree	Year	University
Ph.D	2016	Bharathiyar University, Coimbatore
M.Tech	2007	VTU,Belagaum
B.Tech	2004	VTU. Belagaum
Diploma	1997	Mysore University

SUBJECT TAUGHT:

Cloud Computing
Internet of Things
Data Mining
Web Technologies
Big data
Advanced Algorithms
Management and Entrepreneurship
Business Analytics
Universal Human Values

HONOURS AND ACHIEVEMENTS

1. Guiding 6 Research Scholars, 2 Research Scholars Awarded

2. Reviewer for National and International Journals
3. Received Awards from various reputed organizations
4. Published more than 30 Research Papers in reputed Journals
5. Written Text books on Introduction in C Programming, Machine Learning and Data Science, Applications of Robotics and Automation, Block Chain Fundamentals, Principles and Practices.
6. BOS Member for reputed Colleges.
7. Session chair for National and International Conferences
8. Delivered Technical Talk Across the India
9. Organised and attended Workshops, Seminars
10. Published patents.

MEMBERSHIPS OF PROFESSIONAL SOCIETIES

1. ISTE
2. CSI
3. IEEE
4. IAAC
5. IFERP
6. I2OR
7. SCIENCE PUBLISHING GROUP
8. GREEN THINKERS SOCIETY
9. ASTES
10. IAENG
11. GLOBAL INSTITUTE FOR EDUCATION AND RESEARCH

DETAILS OF PAPERS PRESENTED IN SEMINARS/SYMPOSIUM/CONFERENCE/JOURNALS

1. Nandini N , “A Novel Prefetching Approach for Effective Web Latency Reduction,” International Journal of Applied Engineering, Vol. 10, Number 13, 2015, pp 333325-33335.
2. Nandini N , ” An Effective PRDG based Prefetching with Web Caching for Reducing the Web Latency”, Applied Engineering and Research (IAER),2015, Volume 10, Issue No. 86, pp-194-205
3. Nandini N, “Preprocessing of Web Usage Data for Application in Prefetching to Reduce Web Latency”, International Journal of Engineering Research(IJENS) 2014. ISSN 2077-1231, Volume 14, Issue 04, pp. 1-8.

4. Nandini N, "Extraction of Frequent Sequential Patterns From Web Usage Data and Their Applications In Prefetching Rules Generation For Effective Web Latency Reduction", International Journal of Applied Engineering Research,2015, Volume 10, Number 9, pp. 22515-22534).
5. Nandini N "Prefetching Techniques for effective Web Latency Reduction – A Survey", IEEE,2013, ISSN:2153-0025.
6. Nandini N , "A Novel Natural Language Processing to solve word sense disambiguation by using supervised Machine Learning Technique ", International Journal of Science and Computing 2018, ISSN 2250-1371
7. Wahida Banu, Nandini N, "A Review on Parallel Computing" **International journal of computer science and security, 2017, ISSN 1947-5500.**
8. **Wahida Banu, Nandini N** "An Efficient Makespan Model for Hybrid Dual Parallel Computing Framework", International Journal of Engineering & Technology 2018, pp.578-585
9. Wahida Banu, Nandini N " An accurate and Efficient Hybrid Parallel Computing Framework for Genomic Sequence Alignment", Journal of Advanced Research in Dynamical & Control Systems, 2018, Vol.10.
10. P, vijayakumar, Nandini N, Sai Ganesh, Ranjit Sanja Lawant, A.B. Bhardwaja, Tamizhselvan C, Yadav Kirti Ankush, " Smart Calendar Device for differently abled person", International Journal of Innovative Technology and Exploring Engineering , 2019, issn: 2278-3075, Vol. 8.
11. Deepthi T, Nandi ni N," Energy Efficient Opportunistic Routing Approach to Enhance the Netork Lifetime", **International Journal for Science and Advance Research in Technology, 2018,ISSN 2395-1952**
12. **Dr. Khalid, Dr.Nandini N," Detection of Levels of Blood Sugar Using Simple IOT Based Breath Analysis", International Journal of Computer science & Network Security, 2020, ISSN 0976-6480.**
13. **T. sudha, S. Kuzhaloli,R Yuvaraj, Nandini N, V Nagaveni, P vijayakumar," Force sensor based strategy analysis of foot unceration for diabetic neuropathy patients", 2020, ISSN 0976-6480.**

14. Chandrakanth, Nandini N.” **A Novel Natural Language processing to Solve Word Sense Disabiguation by Using Supervised Mahcine Learning Technique**”, *International Journal of Engineering Science and Computing* ,2018, Vol.8\
15. Chandrakanth, Nandini N ,” An Efficient Ontology Based Machine Learning for Classifying High definition Satellite Images. 2021 IJESC,volume 11, Issue 08
16. Chandrakanth, Nandini N “An Efficient Ontology Based Machine Learning for Classifying High definition Satellite Images”. *TELEMATIQUE* 2022 volume 21, Issue 1
17. Chandrakanth, Nandini N “An Efficient Ontology Based High Definition Satellite images classification Using SAFF Algorithm, Neuro Qunatology” , *TELEMATIQUE*, june 2022, volume 20, issue 6, page 2230-2244
18. Pramod, Nandini N, “Integration between clarity and SAP Kernels using SAP Process Orchestration, wutan huatan jisuan jishu, 2020, volume 16, issue 10
19. Deepthi T, Nandi ni N,” **Energy Efficient Opportunistic Routing Approach to Enhance the Netork Lifetime**”, **International Journal for Science and Advance Research in Technology**, 2018,ISSN 2395-1952
20. Chandrakanth, Nandini N.” **A Novel Natural Language processing to Solve Word Sense Disabiguation by Using Supervised Mahcine Learning Technique**”, *International Journal of Engineering Science and Computing* ,2018, Vol.8
21. Ravi Kiran Madala, N Vijaykumar, Nandini N ,Shanti verma, ,sameda devendra chander , Devesh Pratap Singh “Automated AI Research on Cyber Attack Prediction and Security Design, 2023 6th International Conference on Contemporary computing and Informatics , IEEE
22. Nandini N, Hemashree, Nandish Rao, Monika, Pavithra ,” **Fast Moving Object Detection in Cricket**”, *International Research Journal of Modernization in Engineering Technology and Science*, ISSN 2582-5208, vol:05, Issue 06, 2022
23. Chandana, Ashwas, Bhargav, Deeksha, Nandini N, “ **Fast Moving Object Detection Using Trajectory based Estimaion** “,ISSN 2456-4184,International Journal of Novel Research and Development, (IJNRD) 2022
24. Dr. Nandini N, Rakshit Tyagi, Rakshith S, Spoorthi P Kumar, Sushmitha R “**Advancing Automotive Safety: A Voice-Controlled Navigation System for Enhanced Accessibility and Convenience**” 2024 IJETIR May 2024, Volume 11, Issue 5 www.jetir.org (ISSN-2349-5162)

25. Dr. Nandini.N , Madan Gopal , Prateeksha Tripathy , Rohit Sharma , Shreya Rao B, “Platform to Empower Life by Tailoring a Personalized Web based Custom AI Assistant” 2025 IJIRCCE | Volume 13, Issue 1, January 2025| DOI: 10.15680/IJIRCCE.2025.1301060
26. Dr. Nandini N,Spoorthi Shetty J K,Ambit P M, Shishir B V, Sudeep Swamy Naik “Heart Predict-leveraging Five ML Algorithms for Cardiovascular Disease (CVD) Forecasting” , © 2025 IJIRCCE | Volume 13, Issue 1, January 2025| DOI: 10.15680/IJIRCCE.2025.1301001

PATENT DETAILS.

1. Effective Feedback System Of Managements Of Educational Institutions Using Artificial Intelligence And Methods Thereof, Dr .Satish Kumar T & Team, 202041047650, filing date : 01-11-2020 , published date -6-11-2020
2. Sentiment Analysis On Social Media Fake Posts using Machine Learning Technology Dr. Nandini N& Team , 20234109872, Filing date : 25-4-2023 published date: 5-5-2023
3. Technological Data Method to tackle emerging mosquito borne diseases Dr. Nandini N & Team, 202341053018, filing date : 7-8-2023 , Published date: 1-9-2023
4. Federated Learning Model for Multiple sensor Data Fusion based Multiple source detection problem Dr. Nandini N & team, 202441005651,Filing Date 29-1-2024, Published date 16-2-2024
5. IOT based smart COVID testing it with digital display, Dr Nandini N & team, 6358042 Filing date 19-4-2024, published date
6. AI based voice controlled purifier device. Dr Nandini N & team, 413017-001 ,Filing date 9-04-2024, Published date 7/06/2024
7. Association Rule mining algorithm for enhanced personal information protection in cloud encrypted DA, Dr Nandini N & team,202441028758, Filing date 8-4-2024. Published 19-4-2024
8. System and method for blockchain based secure transactions in digital supply chain Dr. Nandini N & team, 202441102338, filing date 23-12-2024, published 11-1-2025