


Profile

Name of the Faculty	Dr. Neha Nandal	
Designation	Associate Professor	
Department	CSE	
Area of Interest	Machine Learning, Sentiment Analysis.	
Subjects Taught	DWDM, ML, DBMS, CAALP	
JNTUH Registration Id	8502-181101-152559	
College Staff Code	SC1866	
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Educational Qualifications:

S. No.	Degree	Specialization	University/College	Year
1	B.Tech	CSE	The Technological Institute of Textile & Sciences, MDU, Rohtak, Haryana	2012
2.	M.Tech	CSE	Amity School of Engineering and Technology, Amity University, Jaipur, Rajasthan	2014
3.	Ph. D.	CSE	Manav Rachna University, Faridabad, Haryana	2020

Publications Details :

S. No.	Publication details
1.	Lipika Goel, Neha Nandal, Sonam Gupta, et al., <i>Revealing the Dynamics of Demand Forecasting in Supply Chain Management: A Holistic Investigation</i> , Cogent Engineering (Thomson Reuters) , Vol. 11, 2024, pp. 2368104. ISSN: 2331-1916. (SCOPUS/Web of Science, Impact Factor: 2–5) – 2nd Author
2.	Lipika Goel, Sonam Gupta, Avdhesh Gupta, Neha Nandal, et al., <i>A Comparative Analysis of Feature Selection Algorithms in Cross Domain Sentiment Classification</i> , Recent Advances in Computer Science and Communications , Vol. 17, 2024, pp. 32–47. ISSN: 2666-2558. (SCOPUS/Web of Science, Impact Factor: 0–1) – 4th Author
3.	Urmila Pilania, Manoj Kumar, Rohit Tanwar, Neha Nandal, <i>A Walk-through Towards Network Steganography Techniques</i> , Informatics and Automation (SPIIRAS Proceedings) , Vol. 22, 2023, pp. 1103–1151. ISSN: 2713-3192. (SCOPUS/Web of Science, Impact Factor: 1–2) – 4th Author
4.	Meduri Saketh, Neha Nandal, Rohit Tanwar, B. Pradyun Reddy, <i>Intelligent Surveillance Support System</i> , Discover Internet of Things , Vol. 3, 2023, p. 9. E-ISSN: 2730-7239. (SCOPUS/Web of Science, Impact Factor: 0–1) – 2nd Author
5.	Neha Nandal, <i>AI & ML based Secured Cardiology: A Meta-Analysis of Cyber-risk</i> , Naturalista Campano , Vol. 28 No. 1 (2024), ISSN: 1827-7160. (Web of Science - Additional)
6.	U. Pilania, M. Kumar, T. Rohit, N. Nandal, <i>A Walk-Through Towards Network Steganography Techniques</i> , Informatics and Automation , Vol. 22 No. 5 (2023), DOI: 10.15622/ia.22.5.6. (SCOPUS)
7.	Neha Nandal, Rohit Tanwar, A. K. Pathan, <i>Sentiment Analysis Based Emotion Extraction for COVID-19</i> , Procedia Computer Science , Vol. 218 (2023), pp. 949–958. (SCOPUS)
8.	Neha Nandal, Lipika Goel, Rohit Tanwar, <i>ML-based Heart Attack Prediction</i> , F1000Research , Vol. 11, Issue 1126 (2022). (SCOPUS)
9.	Lipika Goel, Neha Nandal, Sonam Gupta, <i>Optimized Class Imbalance in Cross-Project Defect Prediction</i> , F1000Research , Vol. 11, Issue 1060 (2022). (SCOPUS)
10.	R. Tanwar, N. Nandal, M. Zamani, A. A. Manaf, <i>Trends and Technologies in Fall Detection: A Systematic Review</i> , Healthcare (MDPI) , 2022. (SCIE, SCOPUS)
11.	Neha Nandal, R. Tanwar, J. Pruthi, <i>Aspect Level Sentiment Analysis for Amazon Products</i> , Spatial Information Research (Springer) , 2020. (SCOPUS, ESCI – Web of Science)
12.	N. Nandal, R. Tanwar, T. Choudhary, S. C. Satapathy, <i>Context Driven Bipolar Adjustment for AL Sentiment Analysis</i> , Journal of Scientific and Industrial Research , 2020. (SCIE)
13.	N. Nandal, J. Pruthi, A. Choudhary, <i>Improved Aspect Level Sentiment Analysis Using Bipolar Words</i> , IJAST , Vol. 28(13), 2019. (SCOPUS)
14.	R. S. Chowhan, R. Tanwar, N. Nandal, P. Daya, <i>Agricultural Expert Systems in India</i> , in Advances in Agricultural Sciences , Vol. 17, Chapter 2, AkiNik Publications. (Book Chapter)
15.	N. Nandal, J. Pruthi, A. Choudhary, <i>Aspect-Based Sentiment Analysis: A Comparative Study</i> , IJRTE , Vol. 7(6), March 2019. (SCOPUS)
16.	N. Nandal, J. Pruthi, A. Choudhary, <i>LB-ALSA: Lexicon-Based Aspect Level Sentiment Analysis Model</i> , JARDCS , Vol. 10, Special Issue 14, 2018. (SCOPUS)
17.	K. Vashishta, N. Nandal, <i>Neural-Based Offline Handwritten Character Recognition</i> , IJSEAS , Vol. 2(3), March 2016. (Non-Indexed)
18.	N. Nandal, A. Saroliya, V. Sharma, <i>KNN Improved ART Network for Noisy Char. Recognition</i> , IJCSMC , Vol. 3(6), June 2014. (Non-Indexed)
19.	N. Nandal, A. Saroliya, V. Sharma, <i>Three-Layered Model for Noisy Char. Recognition</i> , IJRCAR , Vol. 2(7), July 2014. (Non-Indexed)

20.	<i>A Review on Outlier Detection Model in Blockchain Technology</i> was presented at the 2024 3rd Edition of IEEE Delhi Section Flagship Conference (DELCON) organized by BVICAM, Delhi. The paper was presented and published in the proceedings of this international conference (within India) on 22nd November 2024 . (Research Score: 5.000)
21.	<i>AI Revolutionizing Sustainable Global Development: A Review</i> was presented at INDIACOM-2025 , an international conference held at BVICAM, Delhi. It was both presented and published in the conference proceedings on 3rd April 2025 . (Research Score: 5.000)
22.	<i>IoT-based Fall Detection System for the Elderly People</i> was presented at the 14th International Conference on Materials Processing and Characterization . The paper was published in the conference proceedings and presented on 24th March 2023 . (Research Score: 5.000)
23.	<i>Image Deblurring Using Various Techniques</i> was also presented at the 14th International Conference on Materials Processing and Characterization on 24th March 2023 , and was included in the official proceedings. (Research Score: 5.000)
24.	<i>Voice-based Pedestrian System Using Machine Learning</i> was presented at the International Conference on Materials, Processing & Characterization held in Hyderabad , India from 22–24 April 2022. The paper was presented on 23rd April 2022 and published in the conference proceedings. (Research Score: 5.000)
25.	<i>Impact of COVID-19 on People</i> was presented at the Mobile Radio Communications and 5G Networks (MRCN 2023) international conference on 25th August 2023 , where it was also published in the seminar proceedings. (Research Score: 5.000)
26.	<i>Breast Cancer Detection with Machine Learning – A Review</i> was presented at the 2023 International Conference on Sustainable Computing and Data Communication Systems (ICSCDS) held in Erode, India . The presentation and publication occurred on 25th March 2023 . (Research Score: 5.000)
27.	<i>Deep Learning Based Pothole Detection</i> was delivered at the 2023 International Conference on Emerging Smart Computing and Informatics (ESCI) in Pune, India , on 2nd March 2023 , and was included in the official conference proceedings. (Research Score: 5.000)
28.	<i>Evaluation of an Efficient Method for Object Detection in Video</i> was presented at the International Conference on Recent Developments in Science, Engineering and Technology held in Gurugram, India on 15th November 2019 , and the paper was included in the proceedings. (Research Score: 5.000)
29.	<i>Challenges in the Field of Aspect Level Sentiment Analysis</i> was presented and published in the proceedings of the International Conference on Smart Trends for Information Technology and Computer Communications , held in Pune, India on 19th August 2019 . (Research Score: 5.000)
30.	<i>A Two-Stage Integrated Approach of DNA Cryptography</i> was presented at the International Conference on ICT for Sustainable Development , held in Bhiwani, Haryana , on 26th February 2016 , and was published in the proceedings. (Research Score: 5.000)

Experience:

Teaching	9 years 5 months
Industry	-
Research	-
Total Experience	9 years 5 months