**Name:** **Prof. (Dr.) Divakar Yadav**

**Designation:** Professor

**Department/School:** School of Computer and Information Science (SOCIS), IGNOU, NEW Delhi-110068

**Qualification(s):** PDF (2011-12, University of Carlos III Madrid, Spain), PhD (CSE. Feb 2010), M. Tech. (IT, 2005), B. Tech. (CSE, 1999)

**Phone (O):** 011-29572913

**Email ID:** divakaryadav@ignou.ac.in, dsy99@rediffmail.com, divakar.yadav0@gmail.com

**Office Address:** Room No.121, Block-C, SOCIS, Academic Complex, IGNOU, Maidan Garhi, New Delhi – 110068

Dr Divakar Yadav has been working as a Professor at the School of Computer and Information Science, Indira Gandhi National Open University (IGNOU), New Delhi, since Sept 2022. Before joining IGNOU, he worked as Associate Professor and Head of the Department of Computer Science& Engineering at the National Institute of Technology, Hamirpur (HP) from 2019-2022, Madan Mohan Malaviya University of Technology (MMMUT), Gorakhpur (UP) from 2016-2019 and Jaypee Institute of Information Technology, Noida (UP) from 2005-2016. He has more than 23 Years of teaching and research experience. He did his PDF from the University of Carlos-III, Madrid (Spain) in 2011-12, PhD (CSE) in 2010, M.Tech. (IT) from IIIT Allahabad in 2005 and B.Tech.(CSE) from IET Lucknow in 1999. He supervised 10 PhD theses,31 M.Tech. Dissertations and published more than 150 research articles in international journals and conference proceedings of repute. He is a senior member of IEEE and ACM; his research areas include machine learning, information retrieval, NLP, soft computing, etc.

## Educational Qualification

| Name of the Degree | Year of Passing | Institute/University |
|---|---|---|
| PDF | 2012 | University of Carlos-III, Madrid Spain |
| PhD | 2010 | Jaypee Institute of Information Technology, Noida |
| M.Tech. | 2005 | Indian Institute of Information Technology, Allahabad |
| B.Tech. | 1999 | Institute of Engineering and Technology, Lucknow University (Now Constituent College of AKTU), Lucknow |

## Teaching Experience

| Position Held | Department And Organization | From | To | Total Experience |
|---|---|---|---|---|
| Professor | School of Computer and Information Science, IGNOU, NEW Delhi | 27/09/2022 | Working | |
| Associate Professor | National Institute of technology, Hamirpur (HP) | 26/07/2019 | 26/09/2022 | 3 yrs and 2 Months |
| Associate Professor | Madan Mohan Malaviya University of Technology, Gorakhpur (UP) | 18/10/2016 | 25/07/2019 | 2 Yrs and 9 Months |
| Associate Professor | Jaypee Institute of Information Technology, Sect-62, Noida (UP) | 01/08/2014 | 17/10/2016 | 2 Yrs and 3 Months |
| Assistant Professor (Senior Grade) | Jaypee Institute of Information Technology, Sect-62, Noida (UP) | 15/02/2010 | 31/07/2014 | 4 Yrs and 6 Months |

| | | | | |
|---|---|---|---|---|
| Assistant Professor (Grade-II) | Jaypee Institute of Information Technology, Sect-62, Noida (UP) | 01/07/2006 | 14/02/2010 | 3 Yrs and 6 Months |
| Assistant Professor (Grade-I) | Jaypee Institute of Information Technology, Sect-62, Noida (UP) | 09/06/2005 | 30/06/2006 | 1 Year and 2Months |
| Lecturer | AKTU Lucknow | 04/04/2001 | 21/07/2003 | 2 Yrs and4 Months |

## Administrative Experience at Institute/University Level

| Position Held | Department And Organization | From | To |
|---|---|---|---|
| Programme Coordinator, MCAOL | School of Computer and Information Sciences, IGNOU New Delhi | Oct 2023 | ------------------ |
| Programme Coordinator, BCAOL | School of Computer and Information Sciences, IGNOU New Delhi | Oct 2022 | Sept 2023 |
| Head of Department | Department of Computer Science & Engineering, NIT Hamirpur | 05/05/2022 | 26/09/2022 |
| Vice- chairman | Council of Students Activities (CSA), MMMUT Gorakhpur (UP) | 01/05/2017 | 28/02/2019 |
| Deputy Coordinator | TEQIP III, MMMUT Gorakhpur (UP) | 01/01/2017 | 25/07/2019 |
| PG Convener | Department of CSE, MMMUT Gorakhpur (UP) | 01/03/2017 | 25/07/2019 |
| Deputy Coordinator | Malaviya Entrance Test 2017 MMMUT Gorakhpur (UP) | 01/11/2016 | 31/10/2017 |
| Deputy Coordinator | Counseling Board 2017 & 2018, MMMUT Gorakhpur (UP) | 01/01/2017 | 30/09/2018 |
| Faculty In-charge | Cultural Sub-council, CSA, MMMUT, Gorakhpur (UP) | 01/11/2016 | 31/05/2017 |
| Faculty In-charge | Technical Sub-council, CSA, MMMUT, Gorakhpur (UP) | 01/05/2017 | 28/02/2019 |
| Faculty Coordinator | Jaypee Youth Club (JYC), JIIT Noida | 01/04/2011 | 30/09/2011 |
| Chairman | Research Publications Data Management Team, JIIT Noida | 01/02/2010 | 30/09/2016 |
| Chairperson | Senate Doctoral Program Committee (SDPC), NIT Hamirpur | 19/08/2019 | 19/07/2020 |
| Member | Incubation, Innovation and Entrepreneur Cell, NIT Hamirpur | 20/08/2019 | 19/07/2020 |
| AssociateDean | Recruitment and Establishment, NIT Hamirpur | 13/11/2019 | 19/07/2020 |
| Faculty In-charge | NBA, NIT Hamirpur (HP | 22/03/2021 | 26/09/2022 |
| Nodal Officer | Digital India, NIT Hamirpur (HP) | 24/03/2021 | 26/09/2022 |

## Research Projects

| Role | Project Type | Title | Funding Agency | Amount (INR) | Status | Sanction Order | Sanction Date |
|---|---|---|---|---|---|---|---|
| Co-PI | Research Project | Compressed Wavelet Tree Based Semantic Spatial Search | UPCST | 10.44 Lacs | Ongoing | CST/D-2783 | 17/12/2019 |

| Role | Project Type | Title | Funding Agency | Amount (INR) | Status | Sanction Order | Sanction Date |
|---|---|---|---|---|---|---|---|
| PI | GOC | 5th IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering (UPCON-2018) | AICTE | 5 Lacs | Completed | 67-80/RIFD/GOC/POL-1/2017-18 | 05/07/2019 |

## Journal Publications

| Year | Author(s) | Publication Details | Journal | Indexing |
|---|---|---|---|---|
| 2024 | Arun Kumar Yadav, Abhishek Kumar, Mohit Kumar, Divakar Yadav* | Semantic Proximity Assessment in Bhojpuri and Maithili: A Word Embedding Perspective. 4 July 2024. DOI: 10.1007/s13278-024-01287-w | Social Network Analysis and Mining, ISSN: 1869-5469 | SCIE, IF: 3.6 |
| 2024 | Archit Dhiman, Mohit Kumar*, Arun Kumar Yadav, Divakar Yadav | Pothole Detection and Localization from Images using Deep Learning , DOI: 10.1504/IJIDS.2025.10059513 | International Journal of Information and Decision Sciences, ISSN: 1756-7017 | Scopus |
| 2024 | Ashish Dhiman, Arun Kumar Yadav, Mohit Kumar, Divakar Yadav*, Akash Verma | Sentiment classification in Hindi text using hybrid deep learning method. DOI: 10.1007/s41870-024-01995-8 | International Journal of Information Technology, ISSN: 2511-2104 | Scopus |
| 2024 | Divakar Yadav, Kritarth Kapoor, Arun Kumar Yadav, Mohit Kumar, Arti Jain, Jorge Morato Lara | Satellite Image Classification Using Convolutional Neural Networks, DOI:10.1007/s12145-024-01301-x | Earth Science Informatics, ISSN: 0255-660X | SCIE, IF: 2.5 |
| 2024 | Sanjeewani, Arun Kr Yadav, Mohd. Akbar, Mohit Kumar, Divakar Yadav* | Retinal blood vessel segmentation using a deep learning method based on modified U-NET model, DOI: https://doi.org/10.1007/s11042-024-18696-w | Multimedia Tools with Application | SCIE, IF: 3.6 |
| 2023 | G Khartheesvar, Mohit Kumar, Arun Kr Yadav, Divakar Yadav* | Automatic Indian Sign Language Recognition using MediaPipe Holistic and LSTM Network, Vol 83(20), Pp. 58329 – 58348, June 2024 DOI: https://doi.org/10.1007/s11042-023-17361-y | Multimedia Tools with Application, ISSN No. 13807501, 2023 | SCIE, IF: 3.6 |
| 2023 | Arun Kumar Yadav, Suraj Kumar, Dipesh Kumar, Lalit Kumar, Kapil Kumar, Sandeep Kumar Maurya, Mohit Kumar & Divakar Yadav* | Fake News Detection Using Hybrid Deep Learning Method, Vol. 4, Article Number 845, 3 Nov 2023. DOI: https://doi.org/10.1007/s42979-023-02296-w | SN COMPUTER SCIENCE, ISSN: 2661-8907 | Scopus |
| 2023 | Dharmendra Kumar, Divakar Yadav*, Diwakar Singh Yadav, | Spatial indexing and searching using Parallel Wavelet Tree, Vol. 15, Pp. 3583–3591, 2023 DOI: https://doi.org/10.1007/s41870-023-01422-4 | International Journal of Information Technology, Springer, ISSN: 2511-2104, | Scopus. |
| 2023 | Sonam Gupta, Bhanu Verma, Pradeep Gupta, Lipika Goe, Arun Kumar Yadav, Divakar Yadav* | Identification of Fake News Using Deep Neural Network-Based Hybrid Model, Vol. 4, Article number: 679, 05 Sept 2023. DOI: https://doi.org/10.1007/s42979-023-02117-0 | SN Computer Science, Springer, ISSN: 2661-8907, | Scopus |

| Year | Authors | Title | Journal | Indexing |
|------|---------|-------|---------|----------|
| 2023 | Anuja Arora, Arti Jain, Divakar Yadav | A Survey on Multi Agent Driven Smart City Application Areas: Conceptualization and Research Directions, sustainable Cities and Societies, DOI: 10.1109/OJCOMS.2023.3310528 | IEEE Open Journal of the Communications Society, ISSN: 2644125X | Scopus, ESCI, IF: 7.9 |
| 2023 | Archit Dhiman, Mohit Kumar*, Arun Kumar Yadav, Divakar Yadav | Pothole Detection and Localization from Images using Deep Learning (In Presss) | International Journal of Information and Decision Sciences, ISSN: 1756-7017 | Scopus |
| 2023 | Shashank Srivastav, P.K. Singh and Divakar Yadav | A novel approach to solve exact matching problem, Vol. 14, pp. 1457-1466, May 2023, DOI: https://doi.org/10.1007/s13198-023-01948-7 | System Assurance Engineering and Management, ISSN: 0975-6809 | Scopus, ESCI, IF: 2.0 |
| 2023 | Akash Verma, Arun Kumar Yadav, Mohit Kumar, Divakar Yadav | Automatic Image Caption Generation Using Deep Learning, , May 2023, DOI : 10.1007/s11042-023-15555-y | Multimedia Tools and Application, , ISSN No. 13807501 | SCI, IF=3.6 |
| 2023 | Arun Kumar Yadav, Surabhi Bhatia, Mohit Kumar, Abhishek Kumar, Shivani, Kusum, Divakar Yadav* | Hate Speech Recognition in multilingual text: Hinglish Documents, 15, 1319-1331, 13 March 2023, Doi: 10.1007/s41870-023-01211-z | International Journal of Information Technology, Springer, ISSN: 2511-2104 | Scopus |
| 2023 | Chinmay Gupta, Mohit Kumar, Arun Kr Yadav, Divakar Yadav* | FERNET: An Integrated Hybrid DCNN Model for Driver Stress Monitoring via Facial Expressions, Vol. 37(3), 2357002, 2023, https://doi.org/10.1142/S0218001423570021 | International Journal of Pattern Recognition and Artificial Intelligence, World Scientific, ISSN (print): 0218-0014 | ISSN (online): 1793-6381 | SCIE, IF = 1.5 |
| 2023 | Shobhit Tyagi, Divakar Yadav | ForensicNet: Modern CNN-based Image Forgery Detection Network, 68(2), pp. 461-469, January 2023, https://doi.org/10.1111/1556-4029.15210 | Journal of Forensic Sciences (JFS), ISSN: 0022-1198 | SCIE, IF: 1.83 |
| 2022 | Divakar Yadav, Rishabh Katna, Arun Kumar Yadav, Mohit Kumar, Jorge Morato Lara | Feature Based Automatic Text Summarization Methods: A Comprehensive State-of-the-Art Survey, Vol. 10, Pp. 133981-134003, 20 Dec 2022 | EEE Access, ISSN: 2169-3536, Vol. 10, Pp. 133981-134003, 20 Dec 2022 | SCI, IF: 3.9 |
| 2022 | Dhingra, Kriti; Aggarwal, Rekha; Garg, Anchal; Pujari, Jayanti; Yadav, Divakar, | Mathlete: An adaptive assistive technology tool for children with Dyscalculia. https://doi.org/10.1080/17483107.2022.2134473 | Disability and Rehabilitation: Assistive Technology (IIDT), | (SSCI, IF: 1.83 |
| 2022 | Arun Kumar Yadav, Divakar Yadav, Akhilesh Verma, Mohd. Akbar and Kartikey Tiwari | Scalable Thread based Inverted Index Construction using Wavelet Tree, No. 13807501, 27 Sept 2022, DoI:10.1007/s11042-022-13906-9 | Multimedia Tools and Applications, Springer, ISSN No. 13807501 | SCI, IF: 3.8 |
| 2022 | Divakar Yadav, Aarushi, Arti Jain, Arun Kumar Yadav | Plant Leaf Disease Detection Using CNN with Transfer Learning and XgBoost, Vol. 14, No. 3, pp.244–265, Jan 2023 | International Journal of Data Analysis Techniques and Strategies ISSN 1755-8050 | Scopus |

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| 2022 | Divakar Yadav, Naman Lalit, Riya Kaushik, Yogendra Singh, Mohit, Dinesh, Arun Kr.Yadav, Kishor V. Bhadane, Adarsh Kumar, and Baseem Khan | Qualitative Analysis of Text Summarization Techniques and its Applications in Health Domain, vol. 2022, Article ID 3411881, https://doi.org/10.1155/2022/3411881 | Computational Intelligence and Neuroscience. | SCI, IF: 3.2 |
| 2022 | Sonam Gupta, Arun Kumar Yadav, Divakar Yadav, Bharti Shukla | A Scalable approach for index compression using wavelet tree and LZW, Vol. 14, pp. 2191–2204, 12 April 2022 . https://doi.org/10.1007/s41870-022-00915-y | International Journal of Information Technology (BJAIT), ISSN: 2511-2104 | Scopus |
| 2022 | Prem Sagar Sharma, Divakar Yadav, RN Thakur | Web Page Ranking using Web Mining Techniques: A comprehensive survey Volume 2022 |Article ID 7519573, 31 may 2022. https://doi.org/10.1155/2022/7519573 | Mobile Information Systems, ISSN: 1574- 017X | (SCI, IF: 1.8 |
| 2022 | Akhilesh Verma, Anshdha Gupta, Mohammad Akbar, Arun Kumar Yadav, Divakar Yadav | Presentation Attack Detection using Referential Quality Metrics and Minutiae Count, 127, 3347–3361 DOI: 10.1007/s11277-022-09921-6 | Wireless Personal Communication ISSN 0929-6212 (print) | SCI, IF: 2.17 |
| 2022 | Shobhit Tyagi, Divakar Yadav | MiniNet: A Concise CNN for Image forgery Detection DoI: 10.1007/s12530-022-09446-0 | Evolving Systems, Springer ISSN No. 1868-6478 | SCI, IF: 1.9 |
| 2022 | Arti Jain, Anuja Arora, Jorge Luis Morato Lara, Divakar Yadav and K. Vimal Kumar | Automatic Text Summarization for Hindi Using Real Coded Genetic | Applied Sciences, ISSN 2076-3417 | SCI, IF: 2.84 |
| 2022 | Rishabh Katna, Kashish Kalsi, Srajika Gupta, Divakar Yadav, Arun Kr Yadav | Machine Learning based Approach for Age and Gender prediction from Tweets https://doi.org/10.1007/s11042- 022-12920-1 | Multimedia Tools and Applications | SCIE, IF: 2.75 |
| 2022 | Arti Jain, Divakar Yadav, Devendra K. Tayal, Anuja Arora | Named Entity Recognition for Hindi Language Using Context Pattern Based Maximum Entropy, 23(1), pp. 81â€"116. | Computer Science Journal AGH University of Science and Technology, Krakow Poland, ISSN: 15082806 | ESCI, Scopus, IF: 0.5 |
| 2022 | Prem Sagar Sharma, and Divakar Yadav | A Novel Architecture for Search Engine using Domain based Web Log Data, Vol. 20, No. 1, pp. 92-101, 15 January 2023. https://doi.org/10.34028/iajit/20/1/10 | International Arab Journal of Information Technology, 16833198 | SCIE, IF: 1.2 |
| 2022 | Amit Singh, Mayank Dhiman, Vineet, Rishabh Kaundal, Ankit Verma, Arun Kumar Yadav, Divakar Yadav | Extractive Text Summarization using Deep Learning Approach. DOI: 10.1007/s41870-022-00863-7 | International Journal of Information Technology, (Springer Singapore), ISSN: 2511-2104 | Scopus |

| 2022 | Irphan Ali, Divakar Yadav, and A.K. Sharma | Question Answering System for Semantic Web: A Review, Vol. 22 (1/2), pp. 114-147, 20 May 2022. DOI: 10.1504/IJAIP.2018.10042066 | International Journal of Advanced Intelligence Paradigms, InderScience Publication, ISSN print:1755-0386, ISSN online: 1755-0394 | Scopus |
|---|---|---|---|---|
| 2022 | JKPS Yadav, A. Yadav, D. Yadav, V. Yadav | Optimization of Hopfield networks for storage and recall: A decade Review, Vol 21 (3/4), pp. 321-329, April 2022. DOI:10.1504/IJAIP.2019.10026855 | International Journal of Advanced Intelligence Paradigms, InderScience Publication, ISSN print: 1755-0386, ISSN online: 1755-0394 | Scopus |
| 2021 | Arti Jain, Divakar Yadav, Anuja Arora | Particle Swarm Optimization for Punjabi Text Summarization, Volume 12, Issue 3, Article 1. DOI: 10.4018/IJORIS.20210701.oa1 | International Journal of Operations Research and Information Systems (IJORIS), IGI Global, ISSN: 1947-9328. | Scopus |
| 2021 | Arti Jain, Anuja Arora, Divakar Yadav, Jorge Morato, Amanpreet Kaur | Novel Text Summarization Technique for Punjabi Language Using Neural Networks , Vol 18(6), Nov. 2021, pp. 807-818. https://doi.org/10.34028/iajit/18/6/8 | International Arab Journal of Information Technology | Scopus |
| 2021 | Divakar Yadav, Arun Kumar Karn, Arti Dhiman, Sakshi Sharma, Anurag Giddalur, Muskan, and Arun Kumar Yadav | Microaneurysm Detection using Color Locus Detection Method Vol. | Measurement, Elsevier | SCI IF: 5.2 |
| 2021 | Bharti, S., Yadav, A.K., Kumar, M. and Yadav, D. | Cyberbullying detection from tweets using deep learning, https://doi.org/10.1108/K-01-2021-0061, ISSN: 0368-492X | Kybernetes, Vol. ahead-of-print No. ahead-of-print. | SCI, IF: 1.75 |
| 2021 | Verma, A., Gupta, V.K., Goel, S., Akbar, Yadav, A.K., Yadav, D. | Modeling fingerprint presentation attack detection through Transient Liveness Factor-A person specific approach. Vol. 38, No. 2, pp. 299-307. https://doi.org/10.18280/ts.380206 | Traitement du Signal | SCI, IF: 2.6 |
| 2021 | Tewari, K., Shrivastava, A., Yadav, A.K. Yadav, D. | Efficient transitive operations using binary indexed trees, vol. 13, 1155–1163. https://doi.org/10.1007/s41870-021- 00685-z | Int. j. inf. tecnol., Springer | Scopus |
| 2021 | Kumar, D., Yadav, D.S. & Yadav, D. | A comprehensive analysis of wavelet tree based indexing schemes in GIR systems. https://doi.org/10.1007/s41870- 021-00683-1 | International Journal of Information Technology, Springer. | Scopus |
| 2021 | Gupta, A., Yadav, D. | A novel approach to perform context based automatic spoken document retrieval of political speeches based on wavelet tree indexing, 80, 22209–22229. (H-index: 70, Impact Factor = 2.75) https://doi.org/10.1007/s11042-021- 10800-8 | Multimedia Tools Applications | (SCI, IF: 2.75 |

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| 2021 | Irphan Ali, Divakar Yadav | Question Reformulation based Question Answering Environment Model, Vol. 13, 59-67. DOI: https://doi.org/10.1007/s41870-019-00332-8 | International Journal of Information Technology, Springer ISSN: 2511-2104(Print) | Scopus |
| 2021 | Shobhit Tyagi, Divakar Yadav | A Detailed Analysis of Image and Video Forgery Detection Techniques, ISSN: 0178-2789 DOI: 10.1007/s00371-021- 02347-4 | The Visual Computer, Springer | SCI, IF: 2.6 |
| 2021 | Dhingra K., Garg A., Yadav D., Pujari J. | Impediments to effective utilization of assistive technology for learning disabled, Vol. 33(4), pp. 283 - 296, 2021. DOI: 10.3233/TAD-210342 | Technology and Disability, ISSN: 1055-4181 | Scopus |
| 2021 | Shashank Srivastav, PK Singh and Divakar Yadav | A Method to Improve Exact Matching Results in Compressed Text Using Parallel Wavelet Tree, Volume 22, Issues 4, pp. 387â€"400, Nov 24, 2021 | Scalable Computing: Practice and Experience, ISSN 1895-1767 | ESCI, Scopus IF: 0.4 |
| 2021 | Tyagi, S., Yadav, D | A Comprehensive Review on Image Synthesis with Adversarial Networks: Theory, Literature, and Applications, https://doi.org/10.1007/s11831-021-09672-w | Archives of Computational Methods in Engineering, ISSN: 11343060 | SCI, IF: 7.3 |
| 2020 | Prem Sagar Sharma, Divakar Yadav | A Systematic Review on Page Ranking Algorithms, Vol. 12(2), pp. 329-337. https://doi.org/10.1007/s41870-020-00439-3 | International Journal of Information Technology, Springer ISSN: 2511-2104 | Scopus |
| 2020 | Adarsh Kumar, Saurabh Jain, Divakar Yadav | A Novel Simulation Annealing Enabled Ranking and Scaling Statistical Simulation Constrained Optimization Algorithm for Internet-of-things (IoTs), Vol. 9(4), pp. 675-693. https://doi.org/10.1108/SASBE-06-2019-0073 | Smart and Sustainable Built Environment, Emerald Publishing, ISSN: 2046-6099 | ESCI, Scopus, IF: 0.46 |
| 2020 | Prem Sagar Sharma, Divakar Yadav | Incremental Refinement of Page Ranking of Web Pages, Vol. 10(3), pp. 57-73. DOI: 10.4018/IJIRR.2020070104 | International Journal of Information Retrieval Research (IJIRR), IGI Global, ISSN: 2155-6377 | ESCI, IF: 1.1 |
| 2020 | A. Yadav, D. Yadav, A.Jain | An Improvised Feature-Based Method for Sentimental Analysis of Product Reviews, Vol. 8, pp. 1-8, 22 July 2020. http://dx.doi.org/10.4108/eai.13-7-2018.165670 | EAI Endorsed Transactions on Scalable Information Systems, ISSN: 2032-9407 | ESCI, Scopus IF: 1.3 |
| 2020 | A. Yadav, JKPS Yadav, D. Yadav | Spatial Ambiguities Optimization in GIR , Vol. 7, pp. 1-8, 14 May 2020, DOI: http://dx.doi.org/10.4108/eai.13-7-2018.164556 | EAI Endorsed Transactions on Scalable Information Systems, ISSN: 2032-9407 | ESCI, Scopus, IF: 1.3 |
| 2020 | Arti Jain, Divakar, Yadav, Anuja Arora | Particle Swarm Optimization for Punjabi Text Summarization, Vol. 12(3), Article 1, pp. 1-17. DOI: 10.4018/IJORIS.20210701.oa1 | International Journal of Operations Research and Information Systems (IJORIS), IGI Global, | Scopus |

| Year | Authors | Title | Journal | Indexing |
|------|---------|-------|---------|----------|
| 2020 | Yadav, D., Akanksha, Yadav, A.K. | A novel convolutional neural network based model for recognition and classification of apple leaf diseases, Vol. 37(6), pp. 1093-1101. https://doi.org/10.18280/ts.370622 | Traitement du Signal | SCI, IF: 2.59 |
| 2020 | Shashank Srivastav, P. K. Singh, Divakar Yadav | An approach for fast compressed text matching and to avoid false matching using WBTC and wavelet tree, Vol. 8, pp. 1-10, Oct 2020. http://dx.doi.org/10.4108/eai.23-10-2020.166717 | EAI Endorsed Transactions on Scalable Information Systems, ISSN: 2032-9407. | ESCI, Scopus, IF: 1.3 |
| 2019 | Anuja Arora, Riyu Bana, Habib Shahand Divakar Yadav | Artificial Bee Colony Based Influence Maximization Approach for Social Coding Portal GitHub, Vol. 10, Issue 2, Article No. 4. | International Journal of Swarm Intelligence Research (IJSIR), IGI Global, ISSN: 1947-9263 | ESCI, Scopus, IF: 1.1 |
| 2019 | Irphan Ali, Divakar Yadav, and A K Sharma | SWFQA Semantic Web based Framework for Question Answering, Vol. 9, Issue 1, article 6, pp. 88-106. | International Journal of Information Retrieval Research (IJIRR), IGI Global, ISSN: 2155-6377 | ESCI, IF: 1.1 |
| 2019 | A. Yadav, D. Yadav | Wavelet Tree based Dual Indexing Technique for Geographical Search, Vol 16, No. 6, pp. 624-632. | International Arab Journal of Information Technology, ISSN: 1683-3198 (print), ISSN: 2309-4524 | SCI, IF: 1.2 |
| 2018 | K. Vimal Kumar, Divakar Yadav | Word Sense Based Hindi-Tamil Statistical Machine Translation, Vol 14(1), article No. 2, Pp. 17-27 | International Journal of Intelligent Information Technologies, Idea Group publishing, USA, ISSN: 1548-3657|EISSN: 1548-3665 | ESCI, Scopus, IF: 2.3 |
| 2018 | K. Vimal Kumar and Divakar Yadav | Word Sense Based Approach for Hindi to Tamil Machine Translation Using English as Pivot Language, Vol. 11, Issue 3-4. | International Journal of Advanced Intelligence Paradigms, InderScience, ISSN print: 1755-0386, ISSN online: 1755-0394. | Scopus |
| 2017 | Mukta Goyal, Divakar Yadav, and Alka Tripathi | An Intuitionistic Fuzzy Approach to Classify the User Based on an Assessment of the Learner's Knowledge Level in E-Learning Decision-Making, Vol 13, No. 1, pp. 57-67. | Journal of Information Processing Systems, ISSN: 1976-913X(Print), ISSN: 2092-805X(Online) | ESCI, Scopus, IF: 0.47 |
| 2017 | Madhulika, Bansal Abhay, Yadav Divakar | A proposed quantitative approach to classify brain MRI, Vol. 7, PP. 1-8. | International Journal of System Assurance Engineering and Management, ISSN: 0975-6809, Springer | ESCI, Scopus, IF: 2.0 |
| 2016 | Mukta Goyal, Divakar Yadav, and Alka Tripathi | Intuitionistic Group Decision Making to Identify the Status of Student's Knowledge Acquisition in E-learning Systems, Vol 5, Issue 3, pp. 14-29 | International Journal of Fuzzy System Applications (IJFSA), IGI Global, ISSN: 2156-177X | Scopus |

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|---|---|---|---|---|
| 2016 | Mukta Goyal, Divakar Yadav and Alka Tripathi | Intuitionistic fuzzy genetic weighted averaging operator and its application for multiple attribute decision making in E-learning, vol 9, Issue 1, pp. 1-15. | Indian Journal of Science and Technology , ISSN: 0974-6846 (print), | Web of Science, Scopus |
| 2016 | A. Yadav, D. Yadav, R. Prasad | Efficient Textual Web Retrieval using Wavelet Tree, DOI: 10.4018/IJIRR, Vol. 6, Issue 4, article 3, pp. 16-29 | International Journal of Information Retrieval Research (IJIRR), IGI Global, ISSN: 2155-6377 | ESCI, IF: 1.1 |
| 2016 | Mukta Goyal, Divakar Yadav and Alka Tripathi | Aggregating evaluation using dynamic weighted intuitionistic fuzzy approach for concept sequencing in an E-learning system, Vol.7, No.1, pp.44 â€" 65. | International Journal of Mathematical Modelling and Numerical Optimisation, Inderscience Publisher, Switzerland, ISSN: 2040-3607(print), ISSN: 2040-3615(online) | Scopus |
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| 2015 | A Yadav, D. Yadav | Wavelet Tree based Hybrid Geo-Textual Indexing Technique for Geographical Search, pp. 1-7 | Indian Journal of Science and Technology, Vol. 8(33), ISSN: 0974-6846 (print) | Web of Science, Scopus |
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| 2013 | Pooja Gupta, Sandeep Kr Singh, Divakar Yadav and A. K. Sharma | An Improved Approach to Rank Web Document, Vol 9, No. 2, pp. 217-236. | Journal of Information Processing System, ISSN: 1976-913X(Print), ISSN: 2092-805X(Online) | ESCI, Scopus, IF: 0.47 |
| 2013 | Divakar Yadav, Sonia SÃ¡nchez- Cuadrado and Jorge Morato | Optical Character Recognition for Hindi Language Using a Neural-network Approach, Vol. 9, No. 1, pp. 117~140 | Journal of Information Processing Systems, ISSN: 1976-913X(Print), ISSN: 2092-805X(Online) | ESCI, Scopus, IF: 0.47 |
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| 2012 | Mukta Goyal, Divakar Yadav and Alka Choubey | E-learning: Current State of Art and Future Prospects, Volume 9, Issue 3, No. 2, pp. 490-499, | International Journal of Computer Science Issues, Softwarefirst ltd, ISSN 1694-0814 | DBLP |
| 2011 | Pooja Gupta, A. K. Sharma and Divakar Yadav | A Novel Technique for Back-link Extraction and Relevance Evaluation, Vol 3, No 3, pp. 227- 238, | International Journal of Computer Science & Information Technology (IJCSIT), Academy and Industry Research Collaboration Center, ISSN No.0975-4660 (online), | Indian Citation Index |
| 2009 | Divakar Yadav, A.K. Sharma and J.P. Gupta | Topical Web Crawling Using Weighted Anchor Text and Web Page Change Detection Techniques, Issue 2, Vo; 6, pp. 263-275 | WSEAS Transaction on Information Science and Applications, Greece, ISSN:1790-0832, | Scopus |
| 2008 | Divakar Yadav, A.K. Sharma and J.P. Gupta | Parallel Crawler Architecture and Web Page Change Detection Techniques, Issue 7, Vol 7, Pp. 929-941 | WSEAS Transaction on Computers, ISSN: 1109-2750 | Scopus |

## Conference Publications

| Year | Author(s) | Title | Conference | Indexing |
|---|---|---|---|---|
| 2024 | Dixit, U., Gupta, S., Yadav, A.K., Yadav, D. | Analyzing the Impact of Extractive Summarization Techniques on Legal Text, Lecture Notes in Networks and Systems, vol 785. Pp. 585-602, 14 Jan 2024. DOI: https://doi.org/10.1007/978-981-99-6544-1_44 | International Conference on Data Analytics & Management (ICDAM 2023), 23-24 June, 2023, Jelenia Gora, Poland | Scopus |
| 2023 | Sonam Gupta, Arun Kumar Yadav, Divakar Yadav, Bharti Shukla | Challenges and Issues in Legal Documents Classification, AIP Conf. Proc. 2754, 020001 (2023), Vol 2754, Issue 1, 5 Sept 2023. DOI: | International Conference on Innovative Computing, Informatics and Advanced Communication Systems (ICICIAC-2022), Gokaraju Rangaraju Institute of Engineering & Technology Hyderabad, 25-26 March 2022 | Scopus |

| Year | Authors | Title | Publication Details | Indexing |
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| 2023 | U. Dixit, S. Gupta, A. K. Yadav and D. Yadav | Recent Advances in DL-based Text Summarization: A Systematic Review | 2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE), Galgotias Colleges of Engineering and technology, Greater Noida, India, 2023, pp. 391-397, 12-13 May 2023, ISBN:979-8-3503-9927-1. doi: 10.1109/ICACITE57410.2023.10183122. | Scopus |
| 2023 | Manoj Kumar, Arun Kumar Yadav, Mohit Kumar, and Divakar Yadav | Bird Species Classification from Images Using Deep Learning | International Conference on Computer Vision and Image Processing (CVIP), Springer, Cham, ISBN: 978-3-031-31416-2, PP. 388-401, 4-6 Nov 2022, VNIT Nagpur . DOI: https://doi.org/10.1007/978-3-031-31417-9_30 | Scopus |
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| 2022 | Divakar Yadav, Arti Jain, Saumya Asati andArun Kumar Yadav | Video Anomaly Detectionfor Pedestrian Surveillance | Computer Vision and Machine Intelligence - Proceedings of CVMI 2022, ISBN: 978-981-19-7866-1, pp. 489-500, 12-13 August 2022, IIIT Allahabad.DOI: https://doi.org/10.1007/978-981-19-7867-8_39 | Scopus |
| 2022 | Kartikey Tewari, Arun Kumar Yadav, Mohit kumar, Divakar Yadav | Extractive Text Summarization using Statistical Approach | Computer Vision and Machine Intelligence - Proceedings of CVMI 2022, Springer Singapore, ISBN: 978-981-19-7866-1, pp. 655-667, 12-13 August 2022, IIIT Allahabad. DOI: https://doi.org/10.1007/978-981-19-7867-8_52 | Scopus |
| 2022 | P. S. Sharma, D.Yadav and A. Dumka | Improve the Response Time with Content Mining based Web Page Ranking | *2022 International Conference on Computational Intelligence and Sustainable Engineering Solutions (CISES 2022)*, GL Bajaj Greater Noida, pp. 46-52,20-21 May 2022.doi: 10.1109/CISES54857.2022.9844368 | Scopus |
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| 2022 | Bharadwaj A., Yadav D.,Yadav A.K. | Heart Disease Prediction Using Hybrid Classification Methods | In International Conference on Innovative Computing and Communications. Advances in Intelligent Systems and Computing, vol 1387. Springer, Singapore. pp. 563-573. https://doi.org/10.1007/978-981-16-2594-7_46 | ISI Proceedings, Scopus |

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| 2022 | Gupta S., Katiyar N., Yadav A.K., Yadav D. | Index Optimization Using Wavelet Tree and Compression | International Conference on Data Analysis and Management, Jan Wyzykowski University, Poland & B.M. Institute of Engineering & Technology, Haryana, India 26th June 202, vol 90. Springer, Singapore, 978-981-16-6288-1, pp 809-821. https://doi.org/10.1007/978-981-16-6289-8_66 | Scopus |
| 2022 | Sonam Gupta, ArunKumar Yadav, Divakar Yadav, Bharti Shukla | Text Summarization of Legal Documents using Reinforcement Learning: A study | 5th International Conference on Intelligent Sustainable Systems (ICISS 2022), 17-18 Feb 2022, Tirunelveli, India | Scopus |
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| 2021 | Arun Kumar Yadav, Sonam Gupta, Divakar Yadav and Bharti Shukla | Optimization of Textual Index Construction using Compressed Parallel Wavelet | International Conference on Computing and Communication Networks (ICCCN-2021), 19-20 Nov, 2021, Manchester Metropolitan University, Manchester, United Kingdom | Scopus, Web of Science |
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| 2014 | Geetika Gautam andDivakar Yadav | Sentiment Analysis of Twitter Data Using Machine Learning Approaches and Semantic Analysis, pp. 437-442 | 7th International Conference on Contemporary Computing, ISBN: 978-1-4799-5173-4, 7-9 Aug 2014 | Scopus |
| 2013 | Aman Rai,Arun Yadav,Divakar Yadav and Rajesh Prasad | A Conceptual Framework for E-learning, pp. 209-213 | IEEE international conference on MOOC, Innovation and Technology in Education, Jaipur, ISBN 978-1-4799-1625-2, December 20-22, 2013 | Scopus |
| 2013 | Madhulika Bhatia, Divakar Yadav et al | Implementing Edge Detection for Medical Diagnosis of a Bone in Matlab, pp. 270 â€" 274 | 5th International Conference on Computational Intelligence and Communication Networks (ICCICN 2011), ISBN: 978-0-7695-5069-5, 27-29 Sept 2013 | Scopus |
| 2013 | Divakar Yadav, SoniaSanchez-Cuadrado, Jorge Moratoand Juan Bautista Llorens Morillo | An Approach for Spatial Search Using SOLR, pp. 202-208 | The 4th International Conference CONFLUENCE 2013, the Next Generation Information Technology Summit, E-ISBN: 978-1-84919-846- 2, 26th - 27th Sept. 2013 | Scopus |
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| 2010 | Yadav, Divakar and A.K. Sharma | Tertiary buddy Systems for Efficient Dynamic Memory Allocation, Page(s): 61-66 | 9th WSEAS International Conference on S/W Engg, Parallel and Distributed Systems, Cambridge University, UK, ISBN: 978-960-474- 156-4, Feb 20-22, 2010. | ACM |
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| 2007 | Yadav, Divakar, Sharma, A.K., and Gupta, J.P. | Change Detection in Web pages | IEEE Proceeding of 10th International Conference on IT, NIT Rourkela (India). ISBN: 0-7695-3068- 0, Page(s) 265-270, Dec 17-20, 2007 | Scopus, DBLP |
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| 2007 | Yadav, Divakar, Sharma, A.K., and Gupta, J.P. | Architecture for parallel crawler and algorithm for web page change detection, Page(s) 258-264 | IEEE Proceeding of 10th International Conference on IT, NIT Rourkela (India). ISBN: 0-7695-3068- 0, Page(s) 265-270, Dec 17-20, 2007 | Scopus ,DBLP |
| 2007 | Yadav, Divakar, Sharma, A.K., and Gupta, J.P. | Optical Character Recognition for Printed Hindi Text in Devnagari Using Soft-Computing Technique, pp. 102-107 | IASTED International Conference on Artificial Intelligence & Application (AI2007), InnsbruckAustria, ISBN: 978-0-88986-629-4, Feb 20-22, 2007 | Scopus ,DBLP |

## Books/Chapters Published

| Type | Year | Author(s) | Title | Publisher | ISBN/ISSN No. |
|---|---|---|---|---|---|
| Book | 2024 | Naveen Chauhan, Divakar Yadav, Gyanendra K. Verma, Badal Soni and Jorge Morato Lara | Proceeding of 5th International Conference on Machine Learning, Image Processing, Network Security and Data Sciences (MIND 2023) | CCIS, Springer | ISBN: 978-3-031-62216-8 ISSN: 1865-0929 |
| Book Chapter | 2022 | Saumya Yadav, Rakesh Chandra Joshi, and Divakar Yadav | Trustworthy MachineLearning for Cloud- Based Internet ofThings (IoT), pp. 155-168. DOI: 10.1007/978-3-030-86749-2 | Transforming Management with AI, Big-Data and IoT, Springer Cham | 978-3-030-86748-5 |
| Book Chapter | 2021 | Mukta Goyal, Divakar Yadav, Mehak Sood | Student Performance Prediction for Adaptive E-learning Systems | IET (UK) | 9781839531200 |
| Book Chapter | 2021 | Arti Jain, Archana Purwar and Divakar Yadav | Credit Card Fraud Detection Using K- Means and Fuzzy C-Means | Handbook of Research on Innovations and Applications of AI, IoT, and Cognitive Technologies | 9781799868705 |
| Book Chapter | 2021 | Mukat Goyal; Rajalakshmi Krishnamurthi, Divakar Yadav | Introduction of E-learning Methodologies: Fundamentals, technologies and applications | IET (UK) | 9781839531200 |
| Book | 2021 | Mukat Goyal; Rajalakshmi Krishnamurthi, Divakar Yadav | E-learning Methodologies: Fundamentals, Technologies and Applications | IET (UK) | 9781839531200 |
| Book | 2021 | Divakar Yadav, Abhay Bansal, Madhulika Bhatia, Madhurima Hooda, Jorge Lara | Diagnostic Applications of Health Intelligenceand SurveillanceSystems | IGI Global, USA | 9781799865278 |

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| Book Chapter | 2020 | Tripti Tripathi and Divakar Yadav | Performance evaluation of methodsfor mining frequent itemsets on temporaldata | Lecture Notes on Data Engineering andCommunications Technologies | 978-3-030-37050-3 |
| Book Chapter | 2019 | Arti Jain, Devendra K. Tayal, Divakar Yadav, Anuja Arora | Research Trends for Named Entity Recognition in HindiLanguage | Lecture Notes on Data Engineering andCommunications Technologies, Springer | 978-3-030-25796-5 |
| Book | 2018 | Divakar Yadav, Brijesh Kumar, AN Tiwari | Proceeding of 5th IEEUP Section International Conference onElectrical, Electronicsand Computer Engineering | IEEE | 978-1-5386-5002-8 |
| Book Chapter | 2018 | Nigam N., Yadav D. | Lexicon-Based Approach toSentiment Analysis ofTweets UsingR Language | Advances in Computing and | 978-981-13-1809-2 |
| Book Chapter | 2016 | Arun Kumar Yadav, Divakar Yadav, and Deepak Rai | Efficient Methods to Generate InvertedIndexes for IR | Information Systems Design and Intelligent Applications, Volume 435 of the series Advances in Intelligent Systemsand Computing | 978-81-322-2757-1 |
| Book Chapter | 2015 | K. Vimal Kumar, Divakar Yadav, and Sharma A. | Graph Based Technique for Hindi Text Summarization | Information Systems Design and Intelligent Applications, â€“ Volume 339 of the series Advances in Intelligent Systems and Computing (AISC) â€“ Springer | 978-81-322-2249-1 |
| Book Chapter | 2015 | K. Vimal Kumar, and Divakar Yadav | An Improvised Extractive Approach to Hindi Text Summarization | Information Systems Design and Intelligent Applications, â€“ Volume 339 of the series Advances in Intelligent Systems and Computing (AISC) â€“ Springer | 978-81-322-2249-1 |
| Book Chapter | 2011 | Mukta Goyal, Alka Choubey, and Divakar Yadav | Cognitive Models andits Current Challenges, https: | Springer Series in Communications in Computer and Information Science (CCIS) | 978-3-642-19422-1 |
| Book Chapter | 2011 | Yadav, D., Dani D., and Kumari, P. | De-duplication in FileSharing Network | Springer Series in Communications in Computer and Information Science (CCIS) | 978-3-642-22605-2 |
| Book Chapter | 2011 | Yadav, D., Singh, A. and Jain, V. | Search Results Optimization | Springer Series in Communications in Computer and Information Science (CCIS) | 978-3-642-22605-2 |

**Research Experiences**

**Research Interests :** Machine Learning, Deep Learning, Information Retrieval, Soft-Computing

**Brief ResearchProfile :** Supervised 10 PhD theses, 31 M.Tech. dissertations and currently supervising 02 PhD Scholars in the area of Information Retrieval, Machine learning, E-learning. Published morethan 135 research articles in reputed International Journals, Conference Proceedings and Book chapters.

**Research Supervision**

| Degree Name | Scholar Name | Research Topic | Status | Year | Co-Superivisor(s) |
|---|---|---|---|---|---|
| Ph.D | Pooja Gupta | A Novel Approach for Context Based Focused Search Engine | Awarded | 2014 | Dr Sandeep Kr Singh |

| Degree | Name | Title | Status | Year | Co-supervisor |
|---|---|---|---|---|---|
| Ph.D | Arun Kr Yadav | Design of search engine to optimize spatial search results | Awarded | 2016 | - |
| Ph.D | Mukta Goyal | Intuitionistic Fuzzy logic based E-learning | Awarded | 2016 | Dr Alka Chaubey |
| Ph.D | Madhulika Bhatia | Novel Approach to Analyze MRI images | Awarded | 2016 | Dr Abhay Bansal |
| Ph.D | Irphan Ali | An NLP Based Question Answering System for Semantic Web | Awarded | 2022 | - |
| Ph.D | Mr. Shashank Srivastava | Design and development of Indexing Techniques to improve the Search Result Performance | Awarded | 2022 | Prof. P.K. Singh |
| Ph.D | Prem Sagar Sharma | Design of a Mechanism for Knowledge Based Web Page Ranking Using Web | Awarded | 2023 | Dr. A. Dumka |
| Ph.D | Mr. Shobhit Tyagi | Deep Learning Based Approches for Fake Image Detection | Awarded | 2023 | - |
| Ph.D | Ms. Kirti | Performance Enhancement of Children with Learning Disability Using Assistive Technology | Awarded | 2023 | Dr. Anchal Garg |
| Ph.D. | Sh Dharmendra Kumar | Design and Development of Methodology for Spatial Information Retrieval | Submitted | | |
| M.Tech. | Rishabh Katna | A Bidirectional LSTM-based Model for Text Summarization | Awarded | 2022 | |
| M.Tech. | Kashish Kalsi | Soyabean Yield-Prediction for USA Soyabean Belt using Neural Network Model for Weather Forcasting and DNN for Yield-Prediction | Awarded | 2022 | |
| M.Tech. | Srajika Gupta | Disease Classification for Cotton Plant using Image Processing and Deep Learning Techniques | Awarded | 2022 | |
| M.Tech. | Vishal Kuber | Univariate and Multivariate LSTM Model for Short-Term Stock Market Prediction | Awarded | 2022 | |
| M.Tech. | Jalpa Desai | Merging Distinct Extractive Sumamrization Methods and Applying Paraphrasing Programming for Generating Summary | Awarded | 2022 | |
| M.Tech. | Menneni Sahithi | Sentiment Analysis On Amazon Fine Food Reviews Using Machine Learning Models and LSTM | Awarded | 2021 | - |
| M.Tech. | Aarushi | Plant Leaf Disease Detection | Awarded | 2021 | - |
| M.Tech. | Nikhil Choudhary | Sentiment Analysis Using BERT and Machine Learning Approach | Awarded | 2021 | - |
| M.Tech. | Saumya Asati | Video Anomaly Detection Using Contextual Features | Awarded | 2021 | - |
| M.Tech. | Akanksha | A Novel Contrast Streching Based Preprocessing and FCM Clustering Segmentation, Used with CNN for Identification of Apple Leaf Disease | Awarded | 2020 | - |
| M.Tech. | Aniket Bhardwaj | A hybrid Approch to Heart Disease Prediction using Machine Learning | Awarded | 2020 | - |
| M.Tech. | Anishka Gupta | Context Based Spoken Document Retrieval of Political Speeches | Awarded | 2020 | - |
| M.Tech. | Seema Singh | Sentiment Analysis for Social Media Using Natural Language Processing | Awarded | 2019 | - |
| M.Tech. | Shashank Gupta | Super Resolution of Single Image Using Deep Convolutional Neural Networks on Google Colab | Awarded | 2019 | - |
| M.Tech. | Tripti Tripathi | Mining Frequent Itemset on Temporal Data | Awarded | 2019 | - |
| M.Tech. | Prem Kumari Verma | ), Retinal Image Enhancement Using Hybrid Approach | Awarded | 2019 | |
| M.Tech. | Rupal Singh | Sentiment Analysis from twitter data | Awarded | 2018 | - |
| M.Tech. | Rishabh Jain | Kryptic Creations | Awarded | 2016 | Dr Prakash Kumar |

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| M.Tech. | Priyadarshini Maurya | Kryptic Creations: Bussiness and Revenue Model | Awarded | 2016 | Dr Prakash Kumar |
| M.Tech. | Amandeep Kaur | Sentiment Analysis of Movie Review Using Classification Algorithms | Awarded | 2016 | - |
| M.Tech. | Neha | Kryptic Creations: Product and Order Management | Awarded | 2016 | Dr Prakash Kumar |
| M.Tech. | Manogya Tiwari | Kryptic Creations: Marketing and Functional Overview | Awarded | 2016 | Dr Prakash Kumar |
| M.Tech. | Manvee Chauhan | Sentiment Analysis on Product Reviews | Awarded | 2015 | - |
| M.Tech. | Amar Kewlani | Sentiment Analysis of Movie Reviews | Awarded | 2015 | - |
| M.Tech. | Gaurav Agarwal | Real Time Facial Expression Recognition | Awarded | 2015 | - |
| M.Tech. | Geetika Gautam | Classification o Users Review for Electronic Gadgets | Awarded | 2014 | - |
| M.Tech. | Dharmendra Kumar | Age Prediction and Gender Classification Using Facial Images | Awarded | 2014 | |
| M.Tech. | Hitesh Rokana | Document Retrieval Based on Spatial Information | Awarded | 2014 | - |
| M.Tech. | Shailendra Pushkin | Recognition of printed devnagrari script of different font styles by using soft computing | Awarded | 2011 | - |
| M.Tech. | Madhvi, Gaur | Information retrieval from web using vector space model | Awarded | 2011 | - |
| M.Tech. | Sanjeev Kr Punia | Develop an application for the management of automated teller machine | Awarded | 2009 | - |

**Patents**

| Name | Reg./Ref.No. | Date of Award/Filling | Organization | Status |
|---|---|---|---|---|
| AAM-Physical Fitness: Analysis of Physical Fitness andActivity Level Using Machine Learning, Deep LearningProgramming | 2020101986 | 16/09/2020 | Australian Government | Filled |

**Conference/Workshop/Courses Organized**

| Category | Type | Title | Venue | From | To | Designation |
|---|---|---|---|---|---|---|
| conference | International | 5th IEEE Uttar Pradesh Section International Conference onElectrical, Electronics and Computer Engineering (UPCON-2018) | MMMUT Gorakhpur | 02/11/2018 | 04/11/2018 | Organizing Chair |
| conference | International | 9th International Conference on Contemporary Computing (IC3-2016) | Jaypee Institute of Information Technology (JIIT), Noida | 11/08/2016 | 16/08/2016 | PublicityCo-chair |
| conference | International | 8th International Conference on Contemporary Computing (IC3-2015) | Jaypee Institute of Information Technology (JIIT), Noida | 20/08/2015 | 22/08/2016 | PublicityCo-chair |
| conference | International | 7th International Conference on Contemporary Computing (IC3-2014) | Jaypee Institute of Information Technology (JIIT), Noida | 07/08/2014 | 09/08/2014 | PublicityCo-chair |
| conference | International | 6th International Conference on Contemporary Computing (IC3-2013) | Jaypee Institute of Information Technology (JIIT), Noida | 08/08/2013 | 10/08/2013 | PublicityCo-chair |

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|---|---|---|---|---|---|---|
| conference | International | 4th International Conference on Contemporary Computing (IC3-2011) | Jaypee Institute of Information Technology (JIIT), Noida | 08/08/2011 | 10/08/2011 | PublicityCo-chair |
| conference | International | 3rd International Conference on Contemporary Computing (IC3-2010) | Jaypee Institute of Information Technology (JIIT), Noida | 09/08/2010 | 11/08/2011 | PublicityCo-chair |
| conference | International | 2nd International Conference on Contemporary Computing (IC3-2009) | Jaypee Institute of Information Technology (JIIT), Noida | 17/08/2009 | 19/08/2009 | PublicityCo-chair |
| conference | International | Special Session on "Recent Developments in Information Retrieval", 18TH MEDITERRANEAN ELECTROTECHNICAL CONFERENCE (MELECON) 2016 | Limassol, Cyprus | 18/04/2016 | 20/04/2016 | Organizing Chair |
| conference | International | special session on "Natural Language Processing and Applications", International Conference on Data Engineering and Communication Technology (ICDECT-2016) | Aspire Research Foundation, Pune | 10/03/2016 | 11/03/2016 | Organizing Chair |
| conference | International | special session on "Recent Trends in Information Retrieval", 3rd International Conference on Information System Design & Intelligent Applications (INDIA2016) | Anil Neerukonda Institute of Technology & Sciences, Visakhapatnam (India) | 08/01/2016 | 09/01/2016 | Organizing Chair |
| FDP | National | 5 Days Workshop on LaTex andIts Applications | MMMUT Gorakhpur | 11/03/2019 | 15/03/2019 | Coordinator |
| STC | National | One Week STC on Advances in Computing Technology (ACT- 2018) | MMMUT Gorakhpur | 12/03/2018 | 18/03/2018 | Coordinator |
| workshop | National | IOT & Wireless Technologies | MMMUT Gorakhpur | 23/03/2017 | 27/03/2017 | Coordinator |
| workshop | Institute Level | PhP Workshop by Softpro IndiaPvt Ltd, Lucknow | MMMUT Gorakhpur | 06/03/2017 | 07/03/2017 | Coordinator |
| FDP | National | Faculty Development Programme on "Research Trends in AI and Mobile Systems (RTAIMS-19)" | NIT Hamirpur | 16/12/2019 | 21/12/2019 | Convener |

**Expert Talks/Keynotes Delivered**

| Title | Place | Year | Description of Event |
|---|---|---|---|
| Legal Information Retrieval | National Forensic Science University, Delhi Campus, New Delhi | 2024 | International Seminar on Emerging Technologies, Law and Governance, 20-21 June 2024 |
| Mathematics behind Decision Tree | National Institute of Technology, Hamirpur (HP) | 2023 | 5th International Conference on Machine Learning, Image Processing, Network Security and Data Science (MIND-2023) during 22-23 Dec 2023 |
| Machine Learning Application in | Arya College of Engineering & | 2023 | 4th International Conference on Recent Trends |

| | | | |
|---|---|---|---|
| Cyberbullying | IT Jaipur Rajsthan | | in Communication & Intelligent Systems (ICRTCIS 2023) during 28-29 April 2023 |
| Machine Learning Algorithms like Linear Regression, Polynomial Regression, Naive bayes classification, SVM | IPEC Ghaziabad | 2022 | Two Weeks ATAL FDP on "Machine learning & Data Science Applications" from 7 th Nov -18 th Nov 2022 |
| Informal Introduction on Supervised Learning | IIT Mandi | 2022 | iHUB & HCI Foundation |
| Machine Learning algorithms for Classification Task | IPEC Ghaziabad | 2022 | On-Line Faculty Development Programme on Recent Trends in Cyber Security and Machine Intelligence (CSMI-2022) |
| Machine Learning Approachesfor Classification problems | Aryans College of Engineering Chandigarh | 2022 | Faculty Development Program on Quantum Computing: Next Era of Computing Technology (15th Feb 2022 to 21st Feb 2022) |
| Machine Learning Application in Cyberbullying | Desh Bhagat University, Punjab | 2022 | National Conference on Advanced Research in Engineering, Science and Technology (NCAREST-2022) on 25 Feb 2022 |
| Classification Methods for Machine Learning using Python | Ajay Kumar garg Engineering College Ghaziabad | 2020 | 5 Days Faculty Development Programme on Machine Learning and Its Applications Using Python, 29 June -3 July 2020 |
| Classification Techniques in Machine Learning | JUIT Waknaghat Solan (HP) | 2020 | FDP on Transferring Education with Industry 4.0, 15-20 June 2020 |
| Machine Learning Techniques | Rajkiya Engineering College, Azamgarh, Uttar Pradesh | 2020 | Faculty Development Programme, 20-21April 2020. |
| Machine Learning ApplicationsUsing Python Programming | Madan Mohan Malaviya Post Graduate College, Deoria (UP) | 2020 | National Webinar On Computational Simulation: A Powerful Tool for Advance Scientific Research (CSPTASR-2020), 17 Oct 2020 |
| Artificial Neural Network | Central University of Jharkhand, Ranchi | 2020 | One Week Workshop on the Internet ofThings (IoT), 14-18 Sept. 2020 |
| Artificial Neural Network | Ajay Kumar garg Engineering College Ghaziabad | 2019 | Conducted two days session in FDP on Artificial Neural Network |
| Machine Learning Techniques | UP Council of Science & Technology, Lucknow | 2019 | One day seminar on Current Trends & Emerging Opportunities in Artificial Intelligence, Cyber Security & Social Media on 19 Jan 2019 |
| Unsupervised Learning in Artificial Neural Networks (ANN) and Clustering Techniques in Machine Learning | Department of CSE, NIT Hamirpur (HP) | 2019 | FDP on Research Trends in AI and Mobile Systems, 16-21 Dec 2019. |
| Machine Learning and Its Applications | ECE Department, NIT Hamirpur (HP) | 2019 | 5 days Faculty Development Programme,Aug 2020. |
| Document Ranking in Information Retrieval | JK Institute of Applied Physics and Technology, University of Allahabad, Allahabad | 2018 | International Conference on Emerging Trends in Communication, Computing and Electronics (IC3E-2018), on April 15, 2018 |
| Machine Learning for Big Data | Madan Mohan Malaviya University of Technology, Gorakhpur | 2018 | STC on Advances in Computing Technology (ACT-2018), 12-18 March 2018 |
| Information Retrieval (Basicsand Challenges) | Madan Mohan Malaviya University of Technology, Gorakhpur | 2017 | STC on Advances in Computing Technology (ACT-2017) |

| Information retrieval | Jaypee Institute of Information Technology,Sector-128 Noida | 2016 | Faculty development program on Intelligent Systems and Automation Technology" June 20-25, 2016 |
|---|---|---|---|
| Information retrieval: basics, challenges and tool | Krishna Engineering College Ghaziabad | 2014 | AICTE sponsored FDP on Software Testing, Database testing and Reliability , from 3-12 March, 2014 |
| Parallel WebCrawler | Sharda University, Greater Noida | 2010 | National Workshop on Emerging Trends inCS & IT, 19-20 March 2010 |

**Research Papers presented at National and International Forum**

| Sr. No. | Title | Details of the Conference |
|---|---|---|
| 1. | Presented a research paper titled "Text Summarization of Legal Documents using Reinforcement Learning: AStudy | 9th International Conference on Intelligent Sustainable Systems(ICISS 2022) organized by SCAD College of Engineering and Technology, Tirunelveli, India, 17-18Feb 2022 |
| 2. | Presented a a research paper titled "Optimization of Textual Index Construction using Compressed ParallelWavelet | International Conference on Computing and Communication Networks (ICCCN-2021) organizedby Manchester Metropolitan University, ManchesterUnited Kingdom, 19-20 Nov 2021. |
| 3. | Presented a research paper titled "Index Optimizationusing Wavelet tree and Compression" | 2nd International Conference on Data Analytics and Management (ICDAM-2021) organized jointly by Jan Wyzykowski University Poland, PIET, India and IIS India, 26 June 2021 |
| 4. | Presented a research paper titled "Wavelet Tree ensembles with Machine Learning and Its classification, | 3rd International Conference on Smart and Intelligent Learning for Information Optimization organized by Seeyas Institute of Engineering and Technology, Hyderabad, 9-10 July 2021. |
| 5. | Presented a research paper titled "Optical Character Recognition for Printed Hindi Text in Devnagari UsingSoft-Computing Technique" | IASTED International Conference on Artificial Intelligence & Application (AI2007), 12-14 Feb2007, Innsbruck Austria. |
| 6. | Presented a research paper titled "Tertiary buddy Systems for Efficient Dynamic Memory Allocation" | 9th WSEAS International Conference on SW Engg,Parallel and Distributed Systems, Cambridge University UK, 20-22 Feb 2010. |
| 7. | Presented a research paper titled "Users Search Trendson WWW and Their Analysis" . | First International Conference on Intelligent Interactive Technologies and Multimedia, IIITAllahabad, 28-30 Dec 2010 |
| 8. | Presented a research paper titled "Change Detection inWeb pages" | 10th IEEE International Conference on IT, NITRourkela, India, 17-20, Dec 2007. |
| 9. | Presented a research paper titled "Architecture for parallel crawler and algorithm for web page changedetection" | 10th IEEE International Conference on IT, NITRourkela, India, 17-20, Dec 2007. |
| 10. | Presented a research paper titled "Customization andImplementation of KOHA in Academic Institutions" | IEEE 5th International Symposium on Emerging Trends and Technologies in Libraries and Information Services (ETTLIS-2018) held at BennetUniversity, Greater Noida, During Feb 21-23, 2018 |
| 11. | Presented a research paper titled "Web Page Changedesign" | International Conference on Web Intelligence Systems (ICWIS09), Rajlakshmi Engineering CollegeChennai, India, 8-10 Jan 2009 |
| 12. | Presented a research paper titled "Sentimental Analysisof Product Based Reviews Using Machine Learning Approaches" | International Conference on Recent Trends inCompute and Information Technology, B.S. Anangpuria Institute of Technology and Management, Faridabad, 25-26 Sept 2015. |

| 13. | Presented a research paper titled "Geographical HealthAnalysis using Wavelet Tree" | International Conference on Advances in Computational Techniques and Research Practices, 3-4 Feb 2017, NIET Gr Noida |
|---|---|---|
| 14. | Presented a research paper titled "Topical WebCrawling Using Weighted Anchor Text" | International Conference on Web Intelligence Systems (ICWIS09), Rajlakshmi Engineering CollegeChennai, India, 8-10 Jan 2009 |
| 15. | Presented a research paper titled "Fuzzy approach todetect learning style using Mccarthy Model as a toolfor E-learning System" | Fourth International Symposium on Emerging Trendsand Technologies in Library and Information Services (ETTLIS 2015), JIIT Noida, 6-8 Jan 2015 |
| 16. | Presented a research paper titled "An Approach forSpatial Search Using SOLR" . | 4th International Conference CONFLUENCE 2013,the Next Generation Information Technology Summit, Amity University, Noida, 26th - 27th Sept.2013 |

## Honors & Recognitions:

| Sr.No. | Title | Activity | Given By | Year |
|---|---|---|---|---|
| 1 | Appreciation Certificate | For outstanding contribution in 5th IEEE UP SECTION International Conference on Electrical, Electronics and Computer Engineering (UPCON-2018) | IEEE UP Section at IIT Kanpur | 2019 |
| 2 | Shikshak Samman | For outstanding contribution in the field of Technical Education | Rastriya Shaikshik Mahasangh, Lucknow Uttar Pradesh | 2016 |
| 3 | Senior member IEEE | Membership Number: 93246072 | Institute of Electrical and Electronics Engineers , New York USA | 2018 |

## Other Profile Links:

**Google Scholar Link :**   https://scholar.google.com/citations?user=0MY9O6QAAAAJ&hl=en&authuser=1

**Vidwan Link :**   https://vidwan.inflibnet.ac.in/myprofile

**Publons Link :**   https://publons.com/researcher/3411019/dr-divakar-yadav/

**Linkedin/Orcid/Other Link:**   https://orcid.org/my-orcid?orcid=0000-0001-6051-479X

**Date: 30 June 20224**

**Place: New Delhi**

**Prof. Divakar Yadav**