



Name: Prof. 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)

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Dr Divakar Yadav is working as Professor at School of Computer and Information Science, Indira Gandhi National Open University (IGNOU), New Delhi since Sept 2022. Prior to join IGNOU, he worked as Associate Professor and Head, Department of Computer Science & Engineering, 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 University of Carlos-III, Madrid (Spain) in 2011-12, PhD (CSE) in 2010, M.Tech. (IT) from IIT 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 135 research articles in international journals and conference proceedings of repute. He is a Senior Member, IEEE and ACM, His area of research includes 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 (Grade-II)	Professor	Jaypee Institute of Information Technology, Sect-62, Noida (UP)	01/07/2006	14/02/2010	3 Yrs and 6 Months
Assistant (Grade-I)	Professor	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 and 4 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
2023	G Khartheesvar, Mohit Kumar, Arun Kr Yadav, Divakar Yadav*	Automatic Indian Sign Language Recognition using MediaPipe Holistic and LSTM Network	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
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 Press)	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
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
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. 387-400, 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 Improved 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
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
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.44-65.	International Journal of Mathematical Modelling and Numerical Optimisation, Inderscience Publisher, Switzerland, ISSN: 2040-3607(print), ISSN: 2040-3615(online)	Scopus

2015	Madhulika; Bansal, Abhay; Yadav, Divakar; and Madhurima	Survey and Comparative Study on Statistical Tools for Medical Images, Volume 21, Number 1, January 2015, pp. 74-77(4).	Advanced Science Letters, USA, ISSN: 1936-6612 (Print); EISSN: 1936-7317 (Online)	Scopus
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
2015	Madhulika, Bansal Abhay, Yadav Divakar, Gupta Priya	A Proposed Stratification Approach for MRI images, Vol. 8(18), pp. 1-10	Indian Journal of Science and Technology, ISSN: 0974-6846 (print) ISSN: 0974-5645 (Online)	Web of Science, Scopus
2015	Madhulika Bhatia, Abhay Bansal, Divakar Yadav, and Priya Gupta	Proposed Algorithm to Blotch Grey Matter from Tumored and Non Tumored Brain Images", Vol. 8(17),pp. 1-10.	Indian journal of Science and technology, ISSN: 0974-6846 (print) ISSN: 0974-5645 (Online)	Web of Science, Scopus
2013	Sonia sanchez cuadrado, Vicente. Palacios, Divakar yadav, Christos dimou and Jorge Morato	Evaluation of Semantic Retrieval Systems on The Semantic Web, Vol 31, Issue 4, pp. 638-656	Library Hi Tech, Emerald, ISSN: 0737-8831,	SCI, IF: 2.35
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 Sánchez- 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
2012	Divakar Yadav, AK Sharma, Sonia Sanchez-Cuadrado, Jorge Morato	An Approach to Design Incremental Parallel WebCrawler, Vol. 43 No.1, pp. 8-29,	Journal of Theoretical and Applied Information Technology, ISSN 1992-8645	Scopus
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
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
2022	Mohit Kumar, Adarsh Rana, Ankita, Arun Kumar Yadav & Divakar Yadav	Human Activity Recognition in Videos Using Deep Learning	International Conference on Soft Computing and its Engineering Applications, ISBN 978-3-031-27608-8, pp 288–299, 9-10 Dec 2023, Charotar University of Science and Technology (CHARUSAT), Gujarat, India. DOI: https://doi.org/10.1007/978-3-031-27609-5_23	Scopus
2022	Divakar Yadav, Arti Jain, Saumya Asati and Arun Kumar Yadav	Video Anomaly Detection for 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 <i>International Conference on Computational Intelligence and Sustainable Engineering Solutions (CISES 2022)</i> , GL Bajaj Greater Noida, pp. 46-52, 20-21 May 2022. doi: 10.1109/CISES54857.2022.9844368	Scopus
2022	Sonam Gupta, ArunKumar Yadav, Divakar Yadav, Bharti Shukla	Challenges and Issues in Legal Documents Classification	<i>Informatics and Advanced Communication Systems (ICICIAC-2022)</i> , Gokaraju Rangaraju Institute of Engineering & Technology Hyderabad, 25-26 March 2022, <i>AIP Conf. Proc.</i> 2754, 020001 (2023), Vol 2754, Issue 1, 5 Sept 2023. DOI: https://doi.org/10.1063/5.0161060	Scopus
2022	Bharadwaj A., Yadav D., Yadav A.K.	Heart Disease Prediction Using Hybrid Classification Methods	In International Conference on Innovative Computing and Communications. <i>Advances in Intelligent Systems and Computing</i> , vol 1387. Springer, Singapore. pp. 563-573. https://doi.org/10.1007/978-981-16-2594-7_46	ISI Proceedings, Scopus
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 Wzykowski 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
2021	Neha Katiyar, Sonam Gupta, ArunKumar Yadav, Divakar Yadav	Wavelet Tree ensembles with Machine Learning and its classification	<i>Journal of Physics: Conference Series</i> 1998 (2021) 012001, IOP Publishing. (Indexed in Scopus, h-index: 85) doi:10.1088/1742-6596/1998/1/012001	ISI Proceedings, Scopus
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
2021	Arun Kumar Yadav, Arti Jain, Jorge Morato, Divakar Yadav	Retinal Blood Vessel Segmentation Using Convolutional Neural Networks	13th International Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management, 25-28 Oct 2021 Portugal	Scopus, Web of Science
2019	P. Kumari, D. Yadav, N. P. Singh	Image Enhancement: A Review	4th International Conference on Recent Advancement in Computer Communication and Computational Sciences (RACCCS-2019), 17-18 Aug 2019, Ajmer, India, publisher: <i>Advances in Intelligent Systems and Computing</i>	ISI Proceedings, SCOPUS, DBLP,
2019	Pawan Kumar Mall, PK Singh, Divakar Yadav	GLCM Based Feature Extraction and Medical XRAY Image Classification using Machine Learning Techniques	2019 IEEE Conference on Information and Communication Technology, IIIT Allahabad, India, 2019, pp. 1-6, doi: 10.1109/CICT48419.2019.9066263.	Scopus, DBLP
2019	K. Dhingra ; A. Garg; D. Yadav	Assistive Technology for Preliminary Diagnosis of Learning Disability (LD) among Children	2019 International Conference on Machine Learning, Big Data, Cloud and Parallel Computing (COMITCon), Pp. 61-66, 14-16 Feb 2019. DOI: 10.1109/COMITCon.2019.8862435	Scopus

2019	Aarushi, Saumya Asati, Nikhil, Divakar Yadav, and Arun kr Yadav	Age Group Prediction on Textual Data using Sentiment Analysis	DSAI 2020: ACM proceeding of 9th International Conference on Software Development and Technologies for Enhancing Accessibility and Fighting Info-exclusion, December 2020 Pages 61-65. Doi: https://doi.org/10.1145/3439231.3439262	ISI Proceedings, Scopus
2019	Shashank Gupta and Divakar Yadav	Lane-Finding Based on Structure Analysis of Lane and Computer Vision	4th International Conference on Communication and Electronics Systems (ICCES 2019), 17-19 July 2019, Coimbatore India. DOI: 10.1109/ICCES45898.2019.9002280	Scopus
2019	Tripti Tripathi and Divakar Yadav	Efficient algorithms for frequent itemset mining: A survey	3rd International Conference on Trends in Electronics and Informatics (ICOEI 2019), 23-25 April 2019, Tirunelveli, India	Scopus
2019	Tripti Tripathi and Divakar Yadav	Performance evaluation of methods for mining frequent itemsets on temporal data	2nd International Conference on Computer Networks and Inventive Communication Technologies (ICCNCT - 2019) 23rd & 24th May, Coimbatore 2019	Scopus
2019	Adarsh Kumar, Saurabh Jain, Divakar Yadav and Nitika Goenka	A Comparative Analysis of Heuristic Simulation Optimization Methods for Small Scale Internet-of-Things (IoTs) in Industry 4.0	International Conference On Smart Cities (Icsc2019), Ansal University Gurgaon	Scopus
2018	Nagendra P.Singh, Takumi Nagahama, Pratima Yadav, Divakar Yadav	Feature Based Leaf Identification, pp. 1159-1165	5th IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering (UPCON-2018), 2-4 November 2018 MMMUT Gorakhpur	Scopus
2018	Mukta Goyal, Divakar Yadav and Mehak Sood	"Decision Making for E-learners based on Learning Style, Personality, and Knowledge Level", pp. 643-647	5th IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering (UPCON-2018), 2-4 November 2018 MMMUT Gorakhpur	Scopus
2018	Adarsh Kumar, Alok Aggrawal, and Divakaryadav	A Multi-layered Outlier detection model for resource constraint Hierarchical MANET, pp. 1221-1227	5th IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering (UPCON-2018), 2-4 November 2018 MMMUT Gorakhpur	Scopus
2018	Nitika Nigam and Divakar Yadav	Lexicon Based Approach for Sentiment Analysis of Tweets Using R Language	International Conference on Advances in Computing and Data Sciences, 20-21 April 2018, Uttarakhand University, Dehradun. Advances in Computing and Data Sciences. ICACDS 2018. Communications in Computer and Information Science, vol 905. Springer, Singapore, ISBN 978- 981-13-1809-2.	Scopus, WOS
2018	Arti Jain, Ashutosh Gupta, Nikhil Sharma, Shubham Joshi, Divakar Yadav	Mining Application on Analyzing Users' Interests from Twitter, Pp. 20-27	Proceedings of 3rd International Conference on Internet of Things and Connected Technologies (ICIoTCT), 2018 held at Malaviya National Institute of Technology, Jaipur (India) on March 26-27, Publisher Elsevier SSRN, ISSN No.: 1556- 5068	WOS, Scopus
2016	Madhulika, Abay Bansal, and Divakar Yadav	Marker Controlled Watershed Segmentation for Extracting Features from Neuron Components, pp. 478-483	24th World Congress on Engineering, South Kensington campus, 29 June - 1 July, 29 June - 1 July, 2016, London, U.K, 2078-0958 (Print); 2078-0966 (Online)	Scopus
2015	Goyal, M., Yadav, D., and Tripathi, A.	Intuitionistic Fuzzy Approach for Adaptive Presentation in an E-learning Environment,	2015 IEEE International Conference on Research in Computational Intelligence and Communication Networks (ICRCICN 2015) November 20-22, 2015,	Scopus

		pp.108-113	Kolkata, West Bengal, India	
2015	Mukta Goyal, Divakar Yadav, and Alka Tripathi	Fuzzy approach to detect learning style using Mccarthy Model as a tool for E-learning System, pp. 295-300	Fourth International Symposium on Emerging Trends and Technologies in Library and Information Services (ETTLIS 2015), 6-8 Jan 2015. IIIT Noida Print ISBN: 978-1-4799-7999-8	Scopus
2014	Divakar Yadav, Meenal Aggrawal and Anujaarora	Performance Evaluation of LSB and LSD in Steganography, pp. 515-520.	5th International Conference Confluence 2014, The Next Generation Information Technology Summit, Amity University, Noida ISBN: 978-1- 4799-4236-7, 25-26 Sept 2014	Scopus
2014	Arti Jain, Divakar Yadav, and Devendra Tayal	NER for Hindi Language using Association Rules, pp. 1-5	International Conference on Data Mining and Intelligent Computing, ISBN: 978-1-4799-4674-7, 5-6 Sept 2014, New Delhi	Scopus
2014	Geetika Gautam and Divakar 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 - 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, Sonia Sanchez- Cuadrado, Jorge Morato and 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
2013	Vidushi Vidarthi, Arun Yadav, and Divakar Yadav	New methodology In GIS Systems: Improving Web Document Searching, pp. 208-212	Sixth International Conference on Contemporary Computing, Print ISBN: 978-1-4799-0190-6, 8-10 Aug, 2013	Scopus ,DBLP
2013	Vicente Palacios, Sonia Sanchez- Cuadrado, Divakar Yadav, Jorge Morato, and Christos Dimou	Ontologies Evaluation for a Conceptual Retrieval System of Metadata Schemes: Case Study, pp. 472-478	Sixth International Conference on Contemporary Computing, ISBN: 978-1-4799-0190-6, 8-10 Aug, 2013	Scopus ,DBLP
2012	Venkata, Divya Ragatha and Yadav, Divakar	Image Query Based Search Engine Using Image Content Retrieval, pp. 278-282	14th IEEE International Conference on Modeling and Simulation (UKSIM-2012), Cambridge University UK, ISBN: 978-0-7695-4682-7, 28-30 March 2012	Scopus
2012	Goyal, Mukta, Yadav, Divakar, and Choubey, Alka	Fuzzy Logic Approach for Adaptive Test Sheet Generation in E-learning, pp. 1 - 4	IEEE International Conference on Technology Enhanced Education (ICTEE), ISBN: 978-1-4577-0725-4, 3-5 January 2012	Scopus

2010	Yadav, Divakar, Sharma, AK., and Gupta, JP	Users Search Trends on WWW and Their Analysis, pp. 61-68	First International Conference on Intelligent Interactive Technologies and Multimedia, IIIT Allahabad, ISBN: 978-1-4503-0408-5, 28-30 Dec 2010	Scopus, ACM Digital Library
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
2008	Yadav, Divakar, Pansari, S., Krishnan, A. and Chaturvedi, A.K.,	Memory management: tertiary buddy system, Page(s): 46-49	The 2nd WSEAS International Conference on Computer Engineering and Application, Acapulco, Mexico, ISBN: 978-960-6766-33-6 , Jan 25-27 2008	ACM
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
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	IATED International Conference on Artificial Intelligence & Application (AI2007), Innsbruck Austria, 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 Chapter	2022	Saumya Yadav, Rakesh Chandra Joshi, and Divakar Yadav	Trustworthy Machine Learning for Cloud- Based Internet of Things (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 Intelligence and Surveillance Systems	IGI Global, USA	9781799865278
Book Chapter	2020	Tripti Tripathi and Divakar Yadav	Performance evaluation of methods for mining frequent itemsets on temporal data	Lecture Notes on Data Engineering and Communications 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 Hindi Language	Lecture Notes on Data Engineering and Communications Technologies, Springer	978-3-030-25796-5
Book	2018	Divakar Yadav, Brijesh Kumar, AN Tiwari	Proceeding of 5th IEEEUP Section International Conference on Electrical, Electronics and Computer Engineering	IEEE	978-1-5386-5002-8
Book Chapter	2018	Nigam N., Yadav D.	Lexicon-Based Approach to Sentiment Analysis of Tweets Using R 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 Inverted Indexes for IR	Information Systems Design and Intelligent Applications, Volume 435 of the series Advances in Intelligent Systems and 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, "Volume 339 of the series Advances in Intelligent Systems and Computing (AISC) " Springer	978-81-322-2249-1
Book Chapter	2015	K. Vimal Kumar, and Divakar Yadav	An Improved Extractive Approach to Hindi Text Summarization	Information Systems Design and Intelligent Applications, "Volume 339 of the series Advances in Intelligent Systems and Computing (AISC) " Springer	978-81-322-2249-1
Book Chapter	2011	Mukta Goyal, Alka Choubey, and Divakar Yadav	Cognitive Models and its 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 File Sharing 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 : Information Retrieval, Machine learning, Soft-Computing

Brief Research Profile : 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 more than 135 research articles in reputed International Journals, Conference Proceedings and Book chapters.

Research Supervision

Degree Name	Scholar Name	Research Topic	Status	Year	Co-Supervisor(s)
Ph.D	Pooja Gupta	A Novel Approach for Context Based Focused Search Engine	Awarded	2014	Dr Sandeep Kr Singh
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 Forecasting 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 Approach 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
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 and Activity Level Using Machine Learning, Deep Learning Programming	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 on Electrical, 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	Publicity Co-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
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
Machine Learning Application in Cyberbullying	Arya College of Engineering & IT Jaipur Rajasthan	2023	4th International Conference on Recent Trends 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 Approaches for 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 Wagnaghat 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, 20-21 April 2020.
Machine Learning Applications Using 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 of Things (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 (Basics and 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 in CS & 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: A Study"	9th International Conference on Intelligent Sustainable Systems (ICISS 2022) organized by SCAD College of Engineering and Technology, Tirunelveli, India, 17-18 Feb 2022
2.	Presented a research paper titled "Optimization of Textual Index Construction using Compressed Parallel Wavelet"	International Conference on Computing and Communication Networks (ICCCN-2021) organized by Manchester Metropolitan University, Manchester United Kingdom, 19-20 Nov 2021.
3.	Presented a research paper titled "Index Optimization using Wavelet tree and Compression"	2nd International Conference on Data Analytics and Management (ICDAM-2021) organized jointly by Jan Wzykowski 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 Using Soft-Computing Technique"	IATED International Conference on Artificial Intelligence & Application (AI2007), 12-14 Feb 2007, 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, IIIT Allahabad, 28-30 Dec 2010
8.	Presented a research paper titled "Change Detection in Web pages"	10th IEEE International Conference on IT, NIT Rourkela, India, 17-20, Dec 2007.
9.	Presented a research paper titled "Architecture for parallel crawler and algorithm for web page change detection"	10th IEEE International Conference on IT, NIT Rourkela, India, 17-20, Dec 2007.
10.	Presented a research paper titled "Customization and Implementation of KOHA in Academic Institutions"	IEEE 5th International Symposium on Emerging Trends and Technologies in Libraries and Information Services (ETTLIS-2018) held at Benet University, Greater Noida, During Feb 21-23, 2018
11.	Presented a research paper titled "Web Page Change design"	International Conference on Web Intelligence Systems (ICWIS09), Rajlakshmi Engineering College Chennai, India, 8-10 Jan 2009
12.	Presented a research paper titled "Sentimental Analysis of Product Based Reviews Using Machine Learning Approaches"	International Conference on Recent Trends in Compute 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 to detect 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: 31 Oct 20223

Place: New Delhi

Prof. Divakar Yadav