

CURRICULAM-VITAE

Name: **Pardeep Kumar**

Designation: **Professor (Computer Science & Engineering)**

Affiliation: **Department of Computer Science & Engineering and Information Technology, Jaypee University of Information Technology, Solan, Himachal Pradesh, India**

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Google Scholar Profile:

<https://scholar.google.co.in/citations?user=BCTPh74AAAAJ&hl=en>

H-Index: 21

➤ RESEARCH AREA (S):

- Machine and Deep Learning in Healthcare, Medical Informatics, Telemedicine and Security

➤ JOB EXPERIENCE

- 17 Years

S. No	Name of Post	From	To	University/Institute
1	Associate Professor	30 th September, 2017	30 th June, 2024	Jaypee University of Information Technology, Wagnaghat, Solan, HP, India
2	Assistant Professor (Senior Grade)	1 st December, 2012	29 th September, 2017	Jaypee University of Information Technology, Wagnaghat, Solan, HP, India
3	Senior Lecturer	1 st January, 2011	30 th November, 2012	Jaypee University of Information Technology, Wagnaghat, Solan, HP, India
4	Lecturer	15 th July, 2008	31 st December, 2010	Jaypee University of Information Technology, Wagnaghat, Solan, HP, India
5	Lecturer	30 th June, 2007	8 th July, 2008	Mody Institute of Technology and Science), Laxmangarh, Sikar, Raj, India

Total Impact Earned: 81.6

Impact factor Earned at the level of Associate Professor: 76.5

➤ **Publication Details:**

Journals (43)	At Associate Professor Level	At Assistant Professor Level
	Total Journals Paper: 33	Total Journals Paper: 10
	SCI : 16	SCI: 4
	Scopus:17	Scopus:6
	Communicated: 3 SCI and 1 Scopus	
Conferences (24)	Scopus: 8	Scopus: 16
Books (4)	Scopus: 3	Scopus: 1
Book Chapters (8)	Scopus: 8	Scopus: 0

Courses Taught@ Associate Professor:

Srl no	Course Name	Course Type	Role
1	Compiler Design	Core Course-3rd Year	Course Coordinator
2	Database Management System	Core Course – 2nd Year	Course Coordinator
3	Computer Organization and Architecture	Core Course- 3rd Year	Course Coordinator- 3 times
4	Programming For Problem Solving -II	Core Course-Ist Year	Course Coordinator- 6 times
5.	Data Mining	Core Course- 3rd year	Course Coordinator: 4 times
+ Machine Learning, Software Engineering, Software Testing Fundamentals and many more			

Administrative Responsibility @ Associate Professor:

Srl No	Responsibility
1	GATE Coordinator- 2024 & 2025 17 Students of CSE & IT have qualified GATE 2024. A target of 100 students would qualify GATE 2025 from department of CSE & IT is aimed.
2.	Disciplinary Committee Member
3.	PDGC 2024 Conference General Chair
4.	University Library Committee – Till 2022
5.	University Stock Verification Committee- 2021 & 2022
6.	M.Tech Program Coordinator: 8 Years Till June 2023

➤ PROFESSIONAL MEMBERSHIP

- Senior Member, ACM (Association for Computing Machinery)
- IAENG (International Association of Engineers) Member
- IAENG (International Association of Engineers) Society of Computer Science
- IAENG ((International Association of Engineers) Society of Data Mining

➤ EDITORIAL ASSIGNMENTS

- Managing Editor, Grid and Utility Computing, An International Journal, Inderscience. Free Scopus and ESCI Journal. (<https://www.inderscience.com/jhome.php?jcode=iiguc>)- Till Date
- Associate Editor, IEEE Access, Scopus and SCI Indexed

- Lead Guest Editor of Special Issue on **Recent Developments in Parallel, Distributed and Grid Computing for Big Data**, *International Journal of Grid and Utility Computing*, Inderscience. (<http://www.inderscience.com/info/ingeneral/cfp.php?id=3404>) – Free Scopus and ESCI Indexed
- Guest Editor of Special Issue on **Advanced Techniques in Multimedia Watermarking**, *International Journal of Information and Computer Security*, Inderscience. (<http://www.inderscience.com/info/ingeneral/cfp.php?id=3420>) Free Scopus and ESCI Indexed
- Guest Editor of Special Issue on **Robust and Secure Data Hiding Techniques for Telemedicine. Applications** (<http://www.springer.com/computer/information+systems+and+applications/journal/11042>), *Multimedia Tools and Applications: An International Journal*, Springer (SCI Indexed Journal, IF= 1.346) – Free Scopus + SCI Indexed.
- Guest Editor of Special Issue on **Recent Trends in Artificial Intelligence Techniques for Fault-Tolerance, Reliability and Availability in Mission-Critical Networks** (<https://www.eurekaselect.com/article/107200>), *Recent Advances in Computer Science and Communications*, Scopus Indexed,
- Executive General Chair – PDGC 2016
- Organizing Secretary - PDGC 2018
- Conference General Chair- PDGC 2024

➤ **PHD THESIS SUPERVISED AND ONGOING:**

S. No	Name of the Scholar	Thesis Title	Date of Award	Supervisor-1 or 2
1	Rajshree Srivastava	Early Identification of Thyroid Nodule in Medical Ultrasound Images	05 th Feb, 2024	Supervisor-1 (Sole Supervisor)
2	Raghavendra Kumar	Design of Hybrid Classifiers for Time Series Prediction using Stock Market Data	26 th August, 2022	Supervisor-1
2	Chandan Kumar	Improved Techniques of Robust and Secure Watermarking for Digital Documents	27 th May, 2020	Supervisor-1
3	Akash Punhani	On Improving Throughput and Latency of Mesh Interconnection Network	2 nd August, 2018	Supervisor-1
5	Neha Thakur	Early Identification of	On Going	Supervisor-1

		Breast cancer from Digital Mamograms		
6	Prateek Thakral	Design of Effective Partitional Clustering Algorithm	On Going	Supervisor-1

➤ **M.TECH THESIS SUPERVISED:**

S. No	Title of Thesis	Name of Student	Year of Completion
1	Design of Novel Algorithms for Frequent Item sets	Lucky Rajput	2014
2	Mining Numeric Association Rule using Multi Objective Genetic Algorithm	Shailza Agarwal	2015
3	Mining Indian Tweets for Food Price Rise/Fall Analysis	Sheenu Chabra	2015
4	Digital Image Watermarking Techniques Using Artificial Intelligence	Aditi Zear	2016
5	Digital Image Watermarking Techniques Using Machine Learning	Swati Sharma	2016
6	Enhanced Multiview Clustering Algorithm for Big Data Processing	Isha Agarwal	2017
7	Secure Encryption based Big Data Computing	Ruchi Verma	2017
8	Region of Interest based Hybrid Compression Technique for Medical Images	Ashish Parmar	2019
9	Design a New Clustering Algorithm for Partition Clustering Problem	Pavika Bhardwaj	2020
10	Privacy preservation in medical Dataset	Rajat Singh	2021

➤ **B.TECH PROJECTS GUIDED: More than 100**

➤ **FDPS/WORKSHOPS/SHORT TERM COURSE (DURATION > = 5 DAYS)**

S. No.	Name of FDP/Workshop /Short Term Course	Date of Event	Duration	Venue	Role
1	Short Term Course on "Recent Advances in Signal and Image	24 th June to 28 th June, 2019	5 Days	Department of ECE, Jaypee University of Information	Key Note Speaker

	Processing - June, 24 - 28, 2019			Technology, Solan, Himachal Pradesh, India	
2	Short Term Course on "Recent Advances in Signal and Image Processing - June, 24 - 28, 2019	24 th June to 28 th June, 2019	5 Days	Department of ECE, Jaypee University of Information Technology, Solan, Himachal Pradesh, India	Participant
3	FDP on Computational Intelligence Techniques for Machine Learning	31 st August to 5 th September 2020	6 Days	Jaypee University of Information Technology, Solan, Himachal Pradesh, India	Program Convener
4	FDP on Computational Intelligence Techniques for Machine Learning	31 st August to 5 th September 2020	6 Days	Jaypee University of Information Technology, Solan, Himachal Pradesh, India	Participant
5	TEQIP-III Online STC on " Applications of Machine Learning in the Advancements of Computer Science	17 th August to 22 nd August, 2020	6 Days	Dr. B.R. Ambedkar National Institute of Technology, Jalandhar, India	Participant
6	Growing Role of Machine Learning in Cyber-Security	13 th June to 24 th June, 2022	12 Days	Department of CSE & IT, Jaypee University of Information Technology, Solan, Himachal Pradesh, India	Participant
7	Data Analytics and its Research Perspectives	6 th June to 11 th June, 2022	6 Days	Department of CSE & IT, Jaypee University of Information Technology, Solan, Himachal Pradesh, India	Participant

➤ CONFERENCES/WORKSHOPS ORGANIZED

S. No.	Name of the Conference	Date of Event	Duration	Venue	Role
1	2024 Eighth International Conference on Parallel, Distributed and Grid Computing	To be Held- 18 th -20 th December , 2024	3 days	Jaypee University of Information Technology, Solan, HP, India	Conference General Chair
2	A Summer School on Foundation of AI, ML and Data Science	11-30 June, 2023	15 Days	Jaypee University of Information Technology, Solan, HP, India	Program Convener and Resource Person
3	2016 Fourth International Conference on Parallel, Distributed and Grid Computing (PDGC-2016)	22-24 December , 2016	3 Days	Jaypee University of Information Technology, Solan, HP, India	Executive General Chair
4	2017 Fifth International Conference on Image Information Processing	21-23 December , 2017	3 Days	Jaypee University of Info Technology, Solan, HP, India	Accommodation Committee
5	Workshop on Big Data Conducted by National Institute of Electronics and Information Technology Shimla	10-11 March, 2018	2 Days	Jaypee University of Info Technology, Solan, HP, India	Program Convener
6	2018 Fifth International Conference on Parallel, Distributed and Grid Computing (PDGC-2018)	20-22 Dec. 2018	3 Days	Jaypee University of Info Technology, Solan, HP, India	Organizing Secretary
7	2018 Fifth International Conference on Parallel, Distributed and Grid Computing (PDGC-2018)	20-22 Dec. 2018	3 Days	Jaypee University of Info Technology, Solan, HP, India	Publicity Committee Chair
8	2019 Fifth International Conference on Image Information Processing	15-17 November , 2019	3 Days	Jaypee University of Info Technology, Solan, HP, India	Registration Committee
9	2020 Sixth International Conference on Parallel,	6-18 Nov. 2020	3 Days	Jaypee University of	Publicity Committee

	Distributed and Grid Computing (PDGC-2020)			Info Technology, Solan, HP, India	
10	6th International Conference on Signal Processing, Computing and Control (ISPCC-2021)	7-9 October, 2021	3 days	Jaypee University of Info Technology, Solan, HP, India	TPC Member and Session Chair
11	2021 Sixth International Conference On Image Information Processing (ICIIP -2021)	26-28 November, 2021	3 Days	Jaypee University of Info Technology, Solan, HP, India	Registration Committee + Session Chair
12	International Conference on Machine Learning and Data Engineering (ICMLDE 2022)	7-8 September, 2022	2 Days	UPES Dehradun and Procedia Computer Science, Elsevier	TPC Member
13	2022 Seventh International Conference on Parallel, Distributed and Grid Computing(PDGC)	25-27 November, 2022	3 Days	Jaypee University of Info Technology, Solan, HP, India	Registration Committee Chair

➤ **BOOKS:**

S. No	Name of Editors	Name, ISBN and Year of Publication	Publisher	Indexing: Scopus/SCI/Web of Science
1	Pardeep Kumar, Manoj Diwakar and Prabhishek Singh	HEALTHCARE INDUSTRY ASSESSMENT: ANALYZING RISKS, SECURITY, AND RELIABILITY	Springer-In Press	Scopus
2	Pardeep Kumar, Yugal Kumar, Mohammad A Tawhid	Machine Learning, Big Data, and IoT for Medical informatics, ISBN: 978-012-82-1781-8, 2021	Elsevier	Scopus and Web of Science
3	Pardeep Kumar, Amit Kumar Singh	Machine Learning for Intelligent Multimedia Analytics: Techniques and Applications, ISBN: 978-981-15-9491-5, 2021	Springer	Scopus and Web of Science
4	Pardeep Kumar, Amit Kumar Singh, Satya Prakash Ghrera	Proceedings of 2016 4th International Conference on Parallel, Distributed and Grid Computing (PDGC), ISBN: 978-1-	IEEE Xplore	Scopus

		5090-3668-4, 2017		
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Project(s): Robust and Secure Telemedicine Application for Hospitals Located at Tehsil/Block and District Headquarter/State Capital in Himachal Pradesh

Sponsoring Agency: HP Council for Science, Tech & Env (HIMCOSTE), Himachal Pradesh

Amount : 10 Laks

Status: Submitted, **Under Review**

List of JOURNAL PUBLICATIONS - 30TH SEPTEMBER, 2017 ONWORDS (At Associate Professor Level) :-

S. No.	Authors	Title	Journal Name with ISSN Number	Indexing: Scopus /SCI/ESCI	Current Publication Status	Volume , Issue and Year of Publication	Paid/ Non-Paid Journal	Role (Supervisor, Corresponding Author, First or Second Author)
1	Neha Thakur , Pardeep Kumar & Amit Kumar	Reinforcement learning (RL)-based semantic segmentation and attention based backpropagation convolutional neural network (ABB-CNN) for breast cancer identification and classification using mammogram images	Neural Computing and Applications, ISSN: 1433-3058	SCIE & Scopus , IF: 6	Published Online	In Press	Non Paid	Supervisor-1
2	Rajshree Srivastava and Pardeep Kumar	Deep-GAN: an improved model for thyroid nodule identification and classification	Neural Computing and Applications, ISSN: 1433-3058	SCIE & Scopus , IF: 6	Published	36 (14), 2024	Non-Paid	Supervisor
3	Neha Thakur , Pardeep Kumar & Amit Kumar	A systematic review of machine and deep learning techniques for the identification and classification of breast cancer through medical	Multimedia Tools and Applications, ISSN:1573-7721	Scopus and SCI IF (3.6)	Published	83 (12), 2024	Non-Paid	Supervisor-1

		image modalities						
4	Rajshree Srivastava and Pardeep Kumar	Optimizing CNN based model for thyroid nodule classification using data augmentation, segmentation and boundary detection techniques	Multimedia Tools and Applications, ISSN:1573-7721	Scopus and SCI IF (3.6)	Published	82 (26), 2023	Non-Paid	Supervisor
5	Pardeep Kumar; Raghavendra Kumar	A hybrid framework for time series trends: embedding social network's sentiments and optimized stacked LSTM using evolutionary algorithm	Multimedia Tools and Applications, ISSN:1573-7721	Scopus and SCI IF (3.6)	Published	83 (12), 2024	Non-Paid	First Author

S. No.	Authors	Title	Journal Name with ISSN Number	Indexing: Scopus /SCI/ESCI	Current Publication Status	Volume , Issue and Year of Publication	Paid/ Non-Paid Journal	Role (Supervisor, Corresponding Author, First or Second Author)
6	Jigyasa Goyal, Yugal Kumar, Pardeep Kumar, Arvinder Kaur	An enhanced human learning optimisation algorithm for effective data clustering	International Journal of Grid and Utility Computing, ISSN: 1741-8488	Scopus and ESCI IF (0.5)	Published		Non-Paid	Corresponding Author
7	Rajshree Srivastava and Pardeep Kumar	Performance comparison of various machine learning classifiers using a fusion of LBP, intensity and GLCM feature extraction techniques for thyroid nodules classification	International Journal of Grid and Utility Computing, ISSN: 1741-8488	Scopus and ESCI IF (0.5)	Published		Non-Paid	Supervisor
8	Manoj Diwakar , Pardeep Kumar , Prabhishek Singh, Amrendra Tripathi , Laxman Singh	An efficient reversible data hiding using SVD over a novel weighted iterative anisotropic total variation based denoised medical images	Biomedical Signal Processing and Control ISSN: 1746-8108	Scopus and SCI IF (5.1)	Published	Volume 82, April 2023	Non-Paid	Second Author

S. No.	Authors	Title	Journal Name with ISSN Number	Indexing: Scopus /SCI/ESCI	Current Publication Status	Volume , Issue and Year of Publication	Paid/ Non-Paid Journal	Role (Supervisor, Corresponding Author, First or Second Author)
9	Rajshree Srivastava and Pardeep Kumar	GSO-CNN based Model for the Identification and Classification of Thyroid Nodule in Medical USG Images	Network Modeling Analysis in Health Informatics and Bioinformatics, ISSN:2192-6670	Scopus and ESCI	Published	Volume 11, November 2022	Non-Paid	Supervisor
10	Rajshree Srivastava and Pardeep Kumar	A hybrid model for the identification and classification of thyroid nodules in medical ultrasound images	International Journal of Modelling, Identification and Control, ISSN: 1746-6180	Scopus and ESCI	Published	Volume 41, November 2022	Non-Paid	Supervisor
11	Rajshree Srivastava and Pardeep Kumar	A CNN-SVM hybrid model for the classification of thyroid nodules in medical ultrasound images	International Journal of Grid and Utility Computing, ISSN: 1741-8488	Scopus and ESCI IF (0.5)	Published	Volume 13, January 2023	Non-Paid	Supervisor
12	Rajshree Srivastava and Pardeep Kumar	A contemporary review on soft computing techniques for thyroid disorder identification and detection	International Journal of Computer Applications in Technology, ISSN: 1741-5047	Scopus and ESCI	Published	Volume 69, March 2023	Non-Paid	Supervisor

S. No.	Authors	Title	Journal Name with ISSN Number	Indexing: Scopus /SCI/ESCI	Current Publication Status	Volume , Issue and Year of Publication	Paid/ Non-Paid Journal	Role (Supervisor, Corresponding Author, First or Second Author)
13	Raghavendra Kumar, Pardeep Kumar and Yugal Kumar	Integrating big data driven sentiments polarity and ABC-optimized LSTM for time series forecasting	Multimedia Tools and Applications, ISSN:1573-7721	Scopus and SCI (IF: 3.6)	Published	81, 2022	Non-Paid	Supervisor-1
14	Raghavendra Kumar, Pardeep Kumar and Yugal Kumar	Three stage fusion for effective time series forecasting using Bi-LSTM-ARIMA and improved DE-ABC algorithm	Neural Computing and Applications, ISSN: 1433-3058	Scopus and SCI (IF:6.0)	Published	34, 2022	Non-Paid	Supervisor-1
15	Raghavendra Kumar, Pardeep Kumar and Yugal Kumar	Two-phase hybridisation using deep learning and evolutionary algorithms for stock market forecasting	International Journal of Grid and Utility Computing, ISSN: 1741-8488	Scopus and ESCI	Published	12 (5-6),2021	Non-Paid	Supervisor-1
16	Raghavendra Kumar, Pardeep Kumar and Yugal Kumar	Addressing Stock Market Time Series Trends and Volatility Using Optimized DE-LSTM Model	International Journal of Operational Research, ISSN: 1745-7653	Scopus	Accepted and Published as Online First	In Press, 2021	Non-Paid	Supervisor-1

S. No.	Authors	Title	Journal Name with ISSN Number	Indexing: Scopus /SCI/ESCI	Current Publication Status	Volume , Issue and Year of Publication	Paid/ Non-Paid Journal	Role (Supervisor, Corresponding Author, First or Second Author)
17	Raghavendra Kumar, Pardeep Kumar and Yugal Kumar	Multi-step time series analysis and forecasting strategy using ARIMA and evolutionary algorithms	International Journal of Information Technology, ISSN: 2511-2112	Scopus	Published	14 , 2022	Non-Paid	Supervisor-1
18	Pardeep Kumar, Manoj Diwakar	A novel approach for multimodality medical image fusion over secure environment	Transactions on Emerging Telecommunications Technologies, ISSN:2161-3915	Scopus and SCI (IF: 3.6)	Published	32 (2), 2021	Non-Paid	First Author
19	Manoj Diwakar and Pardeep Kumar	Blind noise estimation-based CT image denoising in tetrolet domain	International Journal of Information and Computer Security, ISSN: 1744-1773	Scopus	Published	12 (2-3), 2020	Non-Paid	Second and Corresponding Author
20	Rajiv Kumar and Pardeep Kumar	Recent Trends in Artificial Intelligence Techniques for Fault-Tolerance, Reliability and Availability in Mission-Critical Networks	Recent Advances in Computer Science and Communications, ISSN: 2666-2566	Scopus	Published	13 (3), 2020	Non-Paid	Second Author

S. No.	Authors	Title	Journal Name with ISSN Number	Indexing: Scopus /SCI/ESCI	Current Publication Status	Volume , Issue and Year of Publication	Paid/ Non-Paid Journal	Role (Supervisor, Corresponding Author, First or Second Author)
21	Chandan Kumar, Amit Kumar Singh and Pardeep Kumar	Improved wavelet-based image watermarking through SPIHT	Multimedia Tools and Applications, ISSN:1573-7721	Scopus and SCI (IF:3.6)	Published	79, 2020	Non-Paid	Supervisor-1
22	Manoj Diwakar, Pardeep Kumar and Amit Kumar Singh	CT image denoising using NLM and its method noise thresholding	Multimedia Tools and Applications, ISSN:1573-7721	Scopus and SCI (IF: 3.6)	Published	79, 2020	Non-Paid	Second and Corresponding Author
23	Chandan Kumar, Amit Kumar Singh and Pardeep Kumar	Dual watermarking: An approach for securing digital documents	Multimedia Tools and Applications, ISSN:1573-7721	Scopus and SCI (IF: 3.6)	Published	79, 2020	Non-Paid	Supervisor-1
24	Chandan Kumar, Amit Kumar Singh, Pardeep Kumar, Rajiv Singh, Siddharth Singh	SPIHT-based multiple image watermarking in NSCT domain	Concurrency and Computation, Practice and Experience, 1532-0634	Scopus and SCI (1.8)	Published	34 (25), 2020	Non-Paid	Supervisor-1
25	Arvind Kumar, Suchi Johari, Deepak Proch, Pardeep Kumar and Durg Singh Chauhan	A Tree Based Approach for Data Pre-processing and Pattern Matching for Accident Mapping on Road Networks	Proceedings of the National Academy of Sciences, India Section A: Physical Sciences, ISSN: 2250-1762	Scopus and SCI (1.2)	Published	89 (3) , 2019	Non-Paid	Supervisor and Corresponding Author

S. No.	Authors	Title	Journal Name with ISSN Number	Indexing: Scopus /SCI/ESCI	Current Publication Status	Volume , Issue and Year of Publication	Paid/ Non-Paid Journal	Role (Supervisor, Corresponding Author, First or Second Author)
26	Pardeep Kumar, Amit Kumar Singh, Satya Prakash Ghrera and Ravi Shankar Singh	Recent Developments in Parallel, Distributed and Grid Computing for Big Data	International Journal of Grid and Utility Computing, ISSN: 1741-8488	Scopus and ESCI IF (0.5)	Published	10 (4), 2019	Non-Paid	First and Corresponding Author
27	Akash Punhani, Pardeep Kumar and Nitin	E-XY: an entropy based XY routing algorithm	International Journal of Grid and Utility Computing, ISSN: 1741-8488	Scopus and ESCI	Published	10 (2), 2019	Non-Paid	Supervisor-1
28	Chandan Kumar, Amit Kumar Singh and Pardeep Kumar	A recent survey on image watermarking techniques and its application in e-governance	Multimedia Tools and Applications, ISSN:1573-7721	Scopus and SCI (IF:3.6)	Published	77, 2018	Non-Paid	Supervisor-1
29	Amit Kumar Singh, Pardeep Kumar, Satya Prakash Ghrera, Basant Kumar, Sanjay Kumar Singh	Advanced Techniques in Multimedia Watermarking	International Journal of Information and Computer Security, ISSN: 1744-1773	Scopus and ESCI	Published	10 (2/3),2018	Non-Paid	Second Author

S. No.	Authors	Title	Journal Name with ISSN Number	Indexing: Scopus /SCI/ESCI	Current Publication Status	Volume , Issue and Year of Publication	Paid/ Non-Paid Journal	Role (Supervisor, Corresponding Author, First or Second Author)
30	Aditi Zear, Amit Kumar Singh, Pardeep Kumar	A proposed secure multiple watermarking technique based on DWT,DCT and SVD for application in medicine	Multimedia Tools and Applications, ISSN:1573-7721	Scopus and SCI (IF: 3.6)	Published	77, 2018	Non-Paid	Supervisor-2
31	Aditi Zear, Amit Kumar Singh, Pardeep Kumar	Multiple Watermarking for Healthcare Applications	Journal of Intelligent Systems, ISSN: 2191-026X	Scopus and ESCI	Published	27 (1), 2018	Non-Paid	Supervisor-2
32	Abhilasha Sharma, Amit Kumar Singh, Pardeep Kumar	Combining Haar Wavelet and Karhunen-Loeve Transform for Robust and Imperceptible Data Hiding Using Digital Images	Journal of Intelligent Systems, ISSN: 2191-026X	Scopus and ESCI	Published	27 (1), 2018	Non-Paid	Supervisor-2

List of JOURNAL PUBLICATIONS - TILL 29TH SEPTEMBER, 2017 (At Assistant Professor (Senior Grade Level) :-

S. No.	Authors	Title	Journal Name with ISSN Number	Indexing:Scopus/SCI/ESCI	Current Publication Status	Volume , Issue and Year of Publication	Paid/ Non-Paid Journal	Role (Supervisor, Corresponding Author, First or Second Author)
33	Aditi Zear, Amit Kumar Singh, Pardeep Kumar	Robust watermarking technique using back propagation neural network: a security protection mechanism for social applications	International Journal of Information and Computer Security, ISSN: 1744-1773	Scopus and ESCI	Published	9 (1-2), 2017	Non-Paid	Supervisor-2
34	Akash Punhani, Pardeep Kumar and Nitin	Three-dimensional topology based on modified diagonal mesh interconnection network	Journal of Telecommunication, Electronic and Computer Engineering, ISSN: 2289-8131	Scopus and ESCI	Published	9 (3-6), 2017	Non-Paid	Supervisor-1
35	Akash Punhani, Pardeep Kumar and Nitin	Level based routing using dynamic programming for 2D mesh	Cybernetics and Information Technologies, ISSN: 1314-4081	Scopus and ESCI	Published	17 (2), 2017	Non-Paid	Supervisor-1
36	Akash Punhani, Pardeep Kumar and Nitin	A Modified Diagonal Mesh Shuffle Exchange Interconnection network	International Journal of Electrical and Computer Engineering, ISSN: 2722-2578	Scopus and ESCI	Published	7 (2), 2017	Non-Paid	Supervisor-1

S. No.	Authors	Title	Journal Name with ISSN Number	Indexing:Scopus/SCI/ESCI	Current Publication Status	Volume , Issue and Year of Publication	Paid/ Non-Paid Journal	Role (Supervisor, Corresponding Author, First or Second Author)
37	Akash Punhani, Pardeep Kumar and Nitin	Optimal extra links placement in mesh interconnection network using improved environmental adaptation method	Journal of Intelligent & Fuzzy Systems, ISSN: 1875-8967	Scopus and SCI (IF: 1.7)	Published	32(5), 2017	Non-Paid	Supervisor-1
38	Akash Punhani, Pardeep Kumar and Nitin	Routing for center concentrated mesh	International Journal of Intelligent Engineering and Systems, ISSN: 2185-3118	Scopus and ESCI	Published	10 (1), 2017	Non-Paid	Supervisor-1
39	Kanika Mehta, Gajendra Tyagi, Aashish Rao, Pardeep Kumar, Durg Singh Chauhan	Modified Locally Linear Embedding with Affine Transformation	National Academy Science Letters, ISSN: 2250-1754	Scopus and SCI (IF: 1.33)	Published	40 (3), 2017	Non-Paid	Supervisor and Corresponding Author
40	Amit Kumar Singh, Basant Kumar, Sanjay Kumar Singh, Mayank Dave, Vivek Kumar Singh, Pardeep Kumar, Satya Prakash Ghrera, Pradeep Kumar Gupta, Anand Mohan	Guest Editorial: Robust and Secure Data Hiding Techniques for Telemedicine Applications	Multimedia Tools and Applications, ISSN:1573-7721	Scopus and SCI (IF:3.6)	Published	76 (5), 2017	Non-Paid	Other Author

S. No.	Authors	Title	Journal Name with ISSN Number	Indexing:Scopus/SCI/ESCI	Current Publication Status	Volume , Issue and Year of Publication	Paid/ Non-Paid Journal	Role (Supervisor, Corresponding Author, First or Second Author)
41	Pardeep Kumar, Kalyani, Ekta Gupta, Geetanjali Rathee and Durg Singh Chauhan	Mood Swing Analyser: A Dynamic Sentiment Detection Approach	Proceedings of the National Academy of Sciences, India Section A: Physical Sciences, ISSN: 2250-1762	Scopus and SCI (1.2)	Published	85 (1), 2015	Non-Paid	Supervisor and Corresponding Author
42	Ashish Rawat, Gunjan Gugnani, Minakshi Shastri and Pardeep Kumar	Anomaly Recognition in Online Social Networks	International Journal of Security and its Applications, ISSN: 2207-9629	Scopus and ESCI	Published	9 (7), 2015	Non-Paid	Supervisor and Corresponding Author

BOOK CHAPTERS:

S. No	Name of the Authors	Title	Name of the Book with ISBN and Year of Publication	Publisher	Indexing: Scopus/SCI /Web of Science
1	Manoj Diwakar, Prabhishek Singh, Pardeep Kumar	Multimodality Medical Image Fusion in Shearlet Domain	Digital Image Enhancement and Reconstruction, ISBN: 978-032-39-8578-9, 2022	Elsevier	Scopus
2	Pinki and Pardeep Kumar	Hybrid Compression Technique with Region of Interest for Medical Images in Wireless Sensor Networks IoT , BigData and AI	IoT , BigData and AI	Springer	Scopus
3	Pardeep Kumar, Manoj Diwakar	Secure Image Transmission in Wireless Network Using Conventional Neural Network and DOST.	Machine Learning for Intelligent Multimedia Analytics: Techniques and Applications ISBN : 978-981-15-9492-2, 2021	Springer	Scopus
4	Pardeep Kumar	E-CART: An Improved Data Stream Mining Approach	Trends in Deep Learning Methodologies: Algorithms, Applications, and Systems, ISBN : 978-	Elsevier	Scopus

			012-82-2226-3, 2021		
5	Manoj Diwakar, Pardeep Kumar	Wavelet Packet Based CT Image Denoising Using Bilateral Method and Bayes Shrinkage Rule	Handbook of Multimedia Information Security: Techniques and Applications, ISBN : 978-3-030-15887-3, 2019	Springer	Scopus
6	Manoj Diwakar, Pardeep Kumar	3-D Shape Reconstruction Based CT Image Enhancement.	Handbook of Multimedia Information Security: Techniques and Applications, ISBN : 978-3-030-15887-3, 2019	Springer	Scopus
7	Pardeep Kumar, Amit Kumar Singh	Efficient Generation of Association Rules from Numeric Data Using Genetic Algorithm for Smart Cities.	Security in Smart Cities: Models, Applications, and Challenges, ISBN : 978-3-030-01559-6, 2019	Springer	Scopus

➤ CONFERENCE PAPERS

- Rahshree Srivastava, **Pardeep Kumar** (2021). BL_SMOTE Ensemble Method for Prediction of Thyroid Disease on Imbalanced Classification Problem. Proceedings of Second International Conference on Computing, Communications, and Cyber-Security [2nd : Noida : 03-04 October, 2020]
- Raghavendra Kumar, **Pardeep Kumar**, Yugal Kumar (2021). Analysis of Financial Time Series Forecasting using Deep Learning Model. Proceedings of the International Conference on Cloud Computing, Data Science & Engineering (Confluence) [11th : Noida, India : 28-29 Jan. 2021]
- Chandan Kumar, AK Singh, **Pardeep Kumar** (2018). SPIHT based dual watermarking technique in NSCT domain. Proceedings of the International Conference on Parallel, Distributed and Grid Computing (PDGC) [5th : Solan, Himachal Pradesh, India : 20-22 Dec. 2018]
- Chandan Kumar, Amit Kumar Singh, **Pardeep Kumar**, Rajiv Singh (2018). A Low complexity secure force (SF) encryption based multiple images watermarking in NSCT domain. Proceedings of the 2018 Second International Conference on Advances in Computing, Control and Communication Technology (IAC3T) [Allahabad, India : 21-23 Sept. 2018]
- Akash Punhani, **Pardeep Kumar**, Nitin (2018). A Horizontal Fat Mesh Interconnection Network . Proceedings of the International Conference on Contemporary Computing (IC3) [10th : Jaypee Institute of Information Technology, Noida, India. : 10-12 August, 2017]
- Ninni Singh, Sheenu Chabra, Anum Javeed, **Pardeep Kumar** (2015). Missing Value Imputation with Unsupervised Kohonen Self Organizing Map. Proceedings of the Emerging Research in Computing, Information, Communication and Applications 2015 [MNIT Bengluru : 31 July-1 August, 2015]
- Shailza Chaudhary, Abhilasha Sharma, Ravideep Singh, **Pardeep Kumar** (2015). Lexicographic logical multi-hashing for frequent itemset mining. Proceedings of the International Conference on Computing, Communication & Automation [Noida, India : 15-16 May 2015]
- Manoj Diwakar, Pratibha Sharma, Sandip Swarnakar, **Pardeep Kumar** (2014). Image Security Using Cellular Automata Rules. Proceedings of the Third International Conference on Soft Computing for Problem Solving [IIT Roorkee :], pp.403-412.
- Akash Punhani, Nitin, **Pardeep Kumar** (2014). A Modified Diagonal Mesh Interconnection Network. Proceedings of the Annual IEEE India Conference [Pune, India : 11-13 December, 2014.]
- Mrityunjay Sharma, Aditi Kansal, **Pardeep Kumar** (2014). Artificial Bee Colony Algorithm for Task Division amongst Different Data Centre in Cloud Computing. Proceedings of the International Conference on Communication Networks [8 : Bangalore, India : 25-27 Jul 2014]
- Anubhav Patrick, Lucky Rajpoot, Meenu Chawla, Garima Singh, **Pardeep Kumar**, Durg Singh Chauhan (2014). A Neural Network Based Intrusion Detection System for Pervasive Computing Environment.

➤ WORKSHOPS ATTENDED

- IUCEE (Indo-US Collaboration for Engineering Education) Faculty Leadership Institute workshop on Data Mining at Chadalawada Ramanamma Engg College, Tirupati (A.P), 12th - 16th July, 2010, Instructor: Prof. Varahan Lakshmivaran, University of Oklahoma (United State of America)
- A workshop on Data Mining for Bioinformatics and its Industrial Applications, jointly organized by Louisiana Tech University, LA, USA and Jaypee University of Information Technology, Waknaghat at JUIT, 14th -16th January, 2010, Instructor: Dr. Sumeet Dua, Upchurch Endowed Associate Professor of Computer Science, College of Engineering Science, Louisiana Tech University, LA, USA
- A workshop on Advanced Data Mining, Fusion and its Biomedical Applications, conducted by JUIT and College of Engineering Science, Louisiana Tech University, LA, USA at JUIT, Wakanaghat, 31st August- 1st September 2010, Instructor: Dr. Sumeet Dua, Upchurch Endowed Associate Professor of Computer Science, College of Engineering Science, Louisiana Tech University, LA, USA
- IUCEE (Indo-US Collaboration for Engineering Education) Faculty Leadership Institute workshop on Selected Topics in Distributed Systems and Computer Security at Jaypee Institute of Engineering & Technology, Guna (M.P.) 30th May – 3rd June, 2011, Instructor : Prof. Partha Dasgupta, Arizona State University (United States of America)
- A workshop on Data Mining and Parallel Computing, jointly organized by Jaypee University of Information Technology Waknaghat, Solan, Himachal Pradesh-India and University of Florida, hold on 2nd -5th August, 2011. Instructor: Prof. Sanjay Ranka, University of Florida, USA
- A workshop on Effective Teaching as a part of the 2012 Indo-US engineering faculty Leadership Institute from 1st – 6th June, 2012, Jaypee University of Information Technology, Waknaghat, Solan, Himachal Pradesh, India. Instructor: Prof. Veena Kumar, State University of New Jersey, USA
- A Workshop on Cloud Computing on 8th April, 2013, Jaypee University of Information Technology, Waknaghat, Solan, Himachal Pradesh, India. Instructor: Professor Abraham Mendelson, Technion - Israel Institute of Technology
- Faculty Development Program on Outcome Based Education- Excellence in Teaching from 14th July 2014 to 19th July 2014, Jaypee University of Information Technology, Waknaghat, Solan, Himachal Pradesh, India. Instructor: Prof. S.K. Kak, Vice Chancellor, JUIT, Waknaghat, Prof. H.M. Gupta, IIT Delhi and Commander V.K. Jaitley, Indian Navy (Advisor- Success Mantra)

➤ **INVITED SPEAKER/TALKS/LECTURES**

S. No.	Date	Event
1	June 2019	Delivered an Expert Lecture on Machine Learning Techniques for Secure Human Health – Care Systems in Short Term Course on Recent Advances in Signal and Image Processing (RASIP-2019) organized by Department of ECE, JUIT during 24-28 June 2019.
2	May 2013	Delivered an Expert Lecture on Data Mining and Decision Support Systems in Faculty Development Program at Baddi University of Emerging Sciences & Technology, Baddi, Solan (H.P.) on 21 st May 2013.
3	Mar 2014	Invited as Keynote Speaker on Data Mining and its application in Real Life in CSI Sponsored 3 rd International Conference on Evolution in Science & Technology, Hisar during March 08-09, 2014
4	December, 2022	Delivered an Institutional Lecture on “Robust and Secure Watermarking Techniques for Telemedicine Applications”. Jaypee University of Information Technology, Solan, HP-India

PERSONNEL INFORMATION

Father’s Name : **Shri Rajpal**

Mother’s Name : **Smt. Jogindro Devi**

Spouse Name : **Mamta Rani**

Kids: : **Naman Khokhar (Daughter) and Arjun Khokhar(Son)**

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I hereby declare that information furnished above is true and correct in every respect.

Dated : (Dr. Pardeep Kumar)

Place : Wagnaghat