

Curriculum Vitae

Name	Dr. Narender Kumar		
Designation	Associate Professor		
Department	Computer Science		
Mobile	9411775966		
Email id	narenrawal@gmail.com		
Educational Qualification	M.Tech, Ph.D.		
Teaching Experience	12 years	Research Experience	12 years
<ul style="list-style-type: none"> • 18th May 2021 – Till Date Teaching as an Associate Professor in Computer Science Department, School of Physical Sciences Doon University Dehradun, Uttarakhand. • 21st March 2012 – 17th May 2021 Teaching as an Assistant Professor in Computer Science and Engineering Department, School of Engg & Technology, HNBGU Srinagar (Garhwal) Uttarakhand. • 29th September 2005 – 20th March 2012 (The period spends for completing PhD degree in IIT Rooree from 2nd August 2008 to 25th January 2012) Teaching as a Sen. Lecturer in Computer Science and Engineering Department of Amity School of Engg & Technology, Amity University Sector 125 Noida (UP). 			
Area of Interest			
1. Digital Image Processing 2. Data Mining 3 Machine learning 4 Blockchain Technology			
Achievements			
1. MHRD Scholarship during Ph.D., 2. GATE Score 97.11 percentile 3. UGC-NET Qualified			
Research Supervision (No. of Ph. D. Degree Awarded / Registered)			
(i) Ph.D. Degree Awarded: 3 Candidates (co-supervisor)			
Administrative and Academic Experience			
1. Member board of study department of CSE , HNBGU			

2. Member of Admission Committee, B.Tech./M.Tech. Programme , HNBGU
3. Program officer,N.S.S. Unit Birla Campus , HNBGU
4. Coordinator E-Governance System, HNBGU.
(Developed different projects on open-source platform to provide facilities for Students to online applications for Admission/ Examination system, Online feedback from students, online results processing (tabulation chart, grade sheet , degree, transcripts etc)
Staff to provided online pay slip and
U.G./P.G./Ph.D /M.Phil Entrance Test Application System)

Conference/Symposium/Workshop Attended

1. -*“National Seminar on Emerging Dimensions in Information Technology” Organized by Department of Computer Sc. & Engg., GJU Hisar from 10th August – 11th August, 2002.*
2. *“National Seminar on Information Security & Mobile Computing “ Organized by the Department of Computer Sc & Engg, ABES Engg College Ghaziabad from 3rd February – 4th February, 2008.*
3. *“International conference on Advance in Modeling, Optimization and Computing”(AMOC-2011) organized by the Department of Mathemtics, IIT Roorkee from 5 December, 2011.*
4. *“International conference on Soft Computing for Problem Solving” organized by the The Institution of Engineers (INDIA),Roorkee Local Center IIT Roorkee from 20th December, 2011.Roorkee.*
5. Short Term Workshop on Medical Imaging and Image Analysis” Organized by Department of Medical Science & Technology, Indian Institute of Technology Kharagpur from 18th April - 22nd April, 2011.
6. “Orientation Programme” organizes by academic staff college H.P. University Shimla, from 2nd June- 28th June, 2014.
7. “Refresher Course on "Blockchain Technology" held from 07/12/2020 to 21/12/2020 and successfully completed with A+ Grade” organized by HRDC Jawaharlal Nehru Technological university Hyderabad

Publication

1. **Narender Kumar** and Tanuja Srivastava (2010), “Image Reconstruction from Projection under Periodicity Constraints Using Genetic Algorithm”, Communications in Computer and Information Science, Volume 94, Part 3, pp 76-83 (**Scopus Indexed**).
2. **Narender Kumar**, Tanuja Srivastava (2011), ”A PSO Based Approach to Image Reconstruction from Projections”, International Journal of Tomography & Statistics, 2011,Volume 17, pp 29-38(**Scopus Indexed**).
3. **Narender Kumar**, Tanuja Srivastava (2011), ”Genetic algorithm for reconstruction under Periodicity Constraints “International Journal of Imaging and Robotics, Volume 5, pp 18-27(**Scopus Indexed**).

4. Kapil Chaudhary, **Dr. Narendra Kumar**, Dr. Vipin Kumar Saini (2014),” A New Approach to Image Denoising based on Diffusion-MLP-LMMSE Scheme” International Journal of Software and Web Sciences (IJSWS), Volume 5, Issue 9, pp 11-17.
5. Roshan Lal, **Dr. Narender Kumar** (2014), ”Design and Analysis of Reliability for Component-Based Software System by using Soft Computing Approaches” International Journal of Emerging Technology and Advanced Engineering, Volume 4, Issue 6, pp 929-932.
6. Kapil Chaudhary, **Dr. Narendra Kumar** (2015),”An Neural Based Approach for Optimizing Diffusion Wavlets Coefficients (An Application to image Denoising)” International Journal of Emerging Trends & Technology in Computer Science (IJETTCS),Volume 4, Issue 3, May - June 2015 , pp. 164-168
7. **Narender Kumar**, Roopa Kumari (2016) "Simulating Annealing Approach for Discrete Tomography from Orthogonal Projections Using Boundary Points ",International Journal of Latest Technology in Engineering, Management & Applied Science, pp 123-135,
8. **Narender Kumar** (2016), "Particle Swarm Optimization Algorithm for Reconstruction of hv-Convex Binary Images" International Journal of Latest Technology in Engineering, Management & Applied Science (IJLTEMAS) Volume V, Issue XII, December 2016 | ISSN 2278-2540
9. **Narender Kumar** (2016), "A Binary Particle Swarm Optimization algorithm with Switching operator for Discrete Tomography Reconstruction" International Journal of Engineering and Management Research Page Number: 193-202
10. **Narender Kumar** , Himanshu Beniwal(2018),”Survey on Handwritten Digit Recognition using Machine Learning” International Journal of Computer Sciences and Engineering Vol-6, Special Issue-5, June 2018, pp 96-100
11. Chamkaur Singh, Dr. Neeraj Sharma, **Dr. Narender Kumar** (2018),” A Systematic Review of Software Maintenance Cost Estimation Methods” , International Journal Of Research in Electronics and Computer Engineering Vol. 6 Issue 3 pp-1504-1509
12. **Narender Kumar**, Masood Ahmad (2018), " Survey of different Trajectory Planning Techniques of Mechanical Manipulators" , International Journal Of Research in Electronics and Computer Engineering Vol. 6 Issue 3 pp 1461-1465
13. Gagandeep Chawla, Dr. Neeraj Sharma, **Dr. Narender Kumar Rawal** (2018),”Ivse: An Improved Cvss Base Score Mechanism With Environment Representative”, International Journal of Emerging Technologies and Innovative Research , ISSN:2349-5162, Vol.5, Issue 12, pp .206-211.
14. **Narender Kumar**, Avinash Karhana(2019),” Data Security Framework for Data-Centers”, International Journal Of Computer Sciences And Engineering 7(1):451-456 .
15. Khushbu Verma, **Narender Kumar** (2019),” Survey on Machine Learning Methods of Data mining for Medical Dataset”, International Journal Of Research In Electronics And Computer Engineering, . 7 Issue 1 (January- March 2019) ISSN: 2393-9028 pp-667-674.
16. Gagandeep Chawla, Dr. Neeraj Sharma, **Dr. Narender Kumar Rawal** (2019), "Understanding the Vulnerability Scoring System through Comparative Analysis", International Journal of Emerging Technologies and Innovative Research (www.jetir.org), ISSN:2349-5162, Vol.6, Issue 6, page no.778-786, June 2019,
17. Chamkaur Singh, Dr. Neeraj Sharma, **Dr. Narender Kumar** (2019),”An Improved Model for Software Maintenance Cost Estimation”, International Journal of Emerging Technologies and Innovative Research (www.jetir.org), ISSN:2349-5162, Vol.6, Issue 4, page no.315-325, April-2019.

18. Chamkaur Singh, Neeraj Sharma, **Narender Kumar** (2019),” An Efficient Approach for Software Maintenance Effort Estimation Using Particle Swarm Optimization Technique”, International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-7 Issue-6C, April 2019,pp 1-6(**Scopus Indexed**).
19. Chamkaur Singh, Neeraj Sharma, **Narender Kumar** (2019),”Analysis Of Software Maintenance Cost Affecting Factors And Estimation Models” International Journal of Scientific and Technology Research, 8(9),, PP-277-281(**Scopus Indexed**).
20. Masood Ahmad, **Narender Kumar**, Roopa Kumari (2019),”A Hybrid Genetic Algorithm Approach To Solve Inverse Kinematics Of A Mechanical Manipulator”, International Journal of Scientific and Technology Research, 8(9), pp 1777-1782(**Scopus Indexed**).
21. Gagandeep Chawla, Neeraj Sharma, **Narender Kumar Rawal** (2019),” IVSV: An Improved CVSS Base Score Mechanism with Vulnerability Type” International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-8 Issue-6, pp-4946-4950(**Scopus Indexed**).
22. Gagandeep Chawla, Neeraj Sharma, **Narender Kumar Rawal** (2019),”Ivsev: Improved vulnerability scoring mechanism with environment representative and vulnerability type” International Journal of Scientific and Technology Research, 8(10), pp. 1043-1047(**Scopus Indexed**).
23. Roopa Kumari, Neena Gupta, **Narender Kumar** (2019).” Image segmentation using improved genetic algorithm” International Journal of Engineering and Advanced Technology, 2019, 9(1), pp. 1784-1792(**Scopus Indexed**).
24. Ravindra Rawat, **Narender Kumar** (2019), “Survey On Data Mining Techniques For Educational Dataset”, International Journal of Scientific and Technology Research, 8(10), pp. 682-684(**Scopus Indexed**).
25. Neeraj Maurya, **Narender Kumar**, Vineet Maurya(2020),” A Review On Machine Learning (Feature Selection, Classification And Clustering) Approaches Of Big Data Mining In Different Area Of Research” Journal of Critical Reviews 7(19):2610-2626.
26. Roopa Kumari, Neena Gupta, **Narender Kumar**(2020),” Cumulative Histogram based Dynamic Particle Swarm Optimization Algorithm for Image Segmentation” Indian Journal of Computer Science and Engineering, Vol. 11, No.5, 557-567(**Scopus Indexed**)..
27. Nisha Pokhriyal, Dr. Narender Kumar, Rohan Verma, Ashish Semwal. (2020). Survey on Crime Data Analysis Using a Different Approach of K-Means Clustering. *International Journal of Advanced Science and Technology*, 29(05), 13839 - 13854.

Published in International Conference:

1. *Shiv Verma, Tanuja Srivastava and Narender Kumar* (2011), “Determination of Binary Matrix using Diagonal and anti Diagonal sums”,*International Conference on Advance in Modelling, Optimisation and Computing(AMOC-2011)* organised by the Department of Mathematics, IIT
2. *Narender Kumar and Roopa Kumari* “Particle Swarm Optimization Technique for Discrete Tomography(2014)”, *1st International Conference on Innovative Advancements in Engineering and Technology (IAET)*, March 7th and 8th, 2014 organized by Department of Electronics and Communication Engineering, Jaipur National University, Jaipur.