


Curriculum Vitae

Name	Dr. Narender Kumar		
Designation	Assistant Professor		
Department	Computer Science & Engineering		
Campus	Chauras		
Telephone	-		
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"> • 21th March 2012 – Till Date Teaching as an Assistant Professor in CSE Department of School of Engg & Technology HNBGU Srinagar (Garhwal) Utrakhand. • 29th September 2005 – 20th March 2012 (The period spend for completing Phd degree in IIT Rooree from 2nd August 2008 to 25th January 2012) Teaching as a Sen. Lecturer in CSE Department of Amity School of Engg & Technology, Amity University Sector 125 Noida (UP). 			
Area of Interest			
<ol style="list-style-type: none"> 1. Digital Image Processing 2. Data Mining 3 Machine learning 4 Blockchain Technology 			
Achievements			
<ol style="list-style-type: none"> 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)			
(ii)Registered for Ph.D. : 1 Candidates (main supervisor)			
Administrative and Academic Experience			
<ol style="list-style-type: none"> 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 provide 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 Mathematics, 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" organized 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.