

Kumaun University, Nainital

Curriculum Vitae

Name : Ashish Mehta
Designation : Professor
Department : Computer Science

Contact Information

- Email Address : ashishmehta19@gmail.com, ashishmehta@kunainital.ac.in
- Mobile No : +91-941132201

LinkedIn Profile : <https://www.linkedin.com/in/ashish-mehta-149957a/>

ORCD ID : 0009-0007-2954-8335

Scopus ID : 57192425031

Educational Qualification:

Degree	University	Subjects	Year
Ph.D.	GKV, Haridwar	Computer Sciecne	2009
M.Sc. (Computer Science)	GBPUAT, Pantnagar	Computer Science	2001
B.Sc.	Kumaun University, Nainital	Physics, Chemistry, Mathematics	1999

Work Experience:

Position	Department	University/Organization	Year
Professor	Computer Science	Kumaun University	2020-Till Date
Associate Professor	Computer Science	Kumaun University	2017 - 2020
Assistant Professor	Computer Science	Kumaun University	2004-2017
Teaching Personnel	Department of Mathematics, Statistics & Computer Science, CBSH	GBPUAT, Pantnagar	2001-2004

Administrative Responsibilities:

Position	Nature of responsibility	University/Organization	Year
Convener & Head	Convener & Head	Department of Computer Science, Kumaun University, Nainital	2018-Till Date
Director	Research & Academic of Post Graduate Diploma in Cyber security & Information System Security	Kumaun University Nainital	2019
Convener & Head	Convener & Head	Department of Computer Science, Kumaun University, Nainital	2012-15
Campus Head	Campus Head	Department of Computer Science, D.S.B. Campus, Kumaun University, Nainital	2004-12

Joint Director	Training & Placement cell	Kumaun University, Nainital	2010
In-charge	Computer Centre	Kumaun University, Nainital	since 2010
Nodal Officer	Nodal Officer DSpace	Kumaun University Nainital	2006

Research Interests:

- Digital Image Processing
- Machine Learning
- Internet of Things (IoT)

Publications:

a) Research Papers

Authors name	Title of the paper	Journal Name Vol, page no	Year
Verma, G., Mehta, A., & Goswami, S.	Trend and Time Series Analysis of Vegetation Dynamics Using Satellite Data: A Case Study of Uttarakhand, India.	Current Journal of Applied Science and Technology, 41(33), 14-26.	2022
Verma G, Mehta A, Bhandari SS	Trend analysis and Applicability of Fuzzy Time Series Models to Night-time Luminosity Data of Uttarakhand state, India.	Indian Journal of Science and Technology 15(28): 1372-1380.	2022
Joshi,A., Mehta, A.	Comparison of Various Machine Learning Algorithms using R on Breast Cancer Dataset	The Journal of Oriental Research Madras Vol. XCII-XLI, 165-175	2021
Kandpal P. K, Mehta A.	Honey Bee Bearing Pollen and Non-Pollen Image Classification, VGG16 Transfer Learning Method using Different Optimizing Function	International Journal of Innovative Technology and Exploring Engineering, Volume-9 Issue-2, PP: 3655-3659	2019
Kandpal, P. K., & Mehta, A.	Critical analysis of Two dimensional and Four-Dimensional spiking neuron models.	Journal of Computational and Theoretical Nanoscience, 16(9), Volume 16, Number 9, pp. 3897-3905(9)	2019
Kandpal P. K, Mehta A.	Effect of Dispersion on Classification of Different Datasets Using Multiplicative Neuron Model	Journal of Computational and Theoretical, Volume 16, Number 10, pp. 4431-4437(7)	2019
Mehta. A.	Impulsive Noise Reduction Using Fuzzy Filter In Gray Images	International journal of Latest Trends in Engineering and Technology 10(1). pp.262-267	2018
Kandpal P. K, Mehta A.	Analytical Observation for classification of Multilayer Neuron Models using different datasets	international Journal of Computer Sciences and Engineering, 6(5), pp.,2347-2693.	2018
Joshi,A., Mehta, A.	A Review on Breast Abnormalities and Medical Imaging Techniques	International Journal of Research and Analytical Reviews. 5(3), pp..784-788.	2018
Joshi,A., Mehta A.	Breast Cancer Data Classification using Neural Network and Deep Neural Technique	International Journal of Recent Scientific Research, 9(4), pp. 25788-25792.	2018
Mehta, A.	A Fuzzy Median Filter (Fmf) for Impulsive Noise Reduction	International Journal of Recent Scientific Research. 9(4), pp.26273-26276.	2018

Joshi,A., Mehta A.	Analysis of k-nearest neighbor technique for breast cancer disease	International Journal of Recent Scientific Research. 9(4), pp. 26126-26130	2018
Joshi,A., Mehta A.	A review on medical image processing: A case study of breast cancer	International Journal of Engineering, Science and Mathematics. 7(3), pp.459-468.	2018
Saxena P. Mehta A.	Study of Audible Frequency Levels in Mapping Phase of Blue Hearing System using MATLAB GUI	International Journal of Computer Sciences and Engineering, 6(6), pp 637-641.	2018
Kandpal P. K, Mehta A.	Comparison and Analysis of Multiplicative Neuron and Multilayer Perceptrons using Three Different Datasets	International Journal of Engineering Research and General Science, vol. 5, no. 3, pp. 58-70	2017
Joshi,A., Mehta A.	Comparative Analysis of Various Machine Learning Techniques for Diagnosis of Breast Cancer	International Journal on Emerging Technologies, 8(1) pp. 522-526	2017
Saxena P., Mehta A.	Study of White Gaussian Noise with Varying Signal to Noise Ratio in Speech Signal using Wavelet	American International Journal of Research in Science, Technology, Engineering & Mathematics, vol. 19, no. 1, pp. 133-137	2017
Saxena P., Mehta A.	Genetic Algorithms in Pattern Recognition: A Review	International Journal of Emerging Technologies in Computational and Applied Sciences (IJETCAS), vol. 13, no. 1, pp. 78-84, ISSN 2279-0055.	2015
Bisht, D., Joshi, M. C., & Mehta, A.	Prediction of Monthly Rainfall of Nainital Region using Artificial Neural Network (ANN) and Support Vector Machine (SVM)	International Journal of Advance Research and Innovative Ideas in Education (IJARIIIE), 1(3), 400-406	2015
Saxena P., Mehta A.	An Optimum Solution to 8 Puzzle Problem using Particle Swarm Optimization	International Journal of Software and Web Sciences (IJSWS), vol. 13, no. 1, pp. 01-04	2015

b) Conference Publications/Proceedings:

Authors name	Title of the paper	Conference name	Year
A. Joshi and A. Mehta	Mammogram Image Classification Using Various Machine Learning Algorithms	7th International Conference on Computing, Communication and Security (ICCCS)	2022
Kandpal, P. K., & Mehta, A.	Comparative study between multiplicative neuron and spiking neuron model	4th International Conference on Internet of Things: Smart Innovation and Usages (IoT-SIU)	2019
P. Saxena and A. Mehta	Refinement of input speech by suppressing the unwanted amplitudes for blue hearing system	2nd International Conference on Advances in Computing, Communication, & Automation (ICACCA), Bareilly, India	2016
P. Saxena and A. Mehta	Study of Noise Reduction in Speech Signal Using Wavelet for Blue Hearing System	2nd National Conference on Recent Advances in Sciences & Technology	2016

Teaching details:

Name of the course/paper	Department	University	Year
UG, PG & Ph.D.	Computer Science	Kumaun University	2004 – till date
UG & PG	Department of Mathematics, Statistics & Computer Science	GBPUAT, Pantnagar	2001 - 2004

Professional Memberships:

Organization	Position
Indian Unit for Pattern Recognition and Artificial Intelligence, ISI Kolkata	Life member
Indian Science Congress Association	Life Member

Honours and Awards:

Award	Awarding Organization	Year
Spoken Tutorial Awards 2023	IIT Bombay	2023

Conference Presentations:

Title of presentation	Conference name	Name of the institution	Year
Fuzzy Rule Based edge detection in noisy images(s).	19th International Conference of International Academy of Physical Sciences & Symposium on Fixed Point Theory and Dynamical System	Department of Mathematics & Computer Science, D.S.B. campus, Kuamun University, Nainital	2016
Applying machine learning technique in breast cancer diagnosis	8 th Conference of The Indian Science Congress Association (Haridwar Chapter)	Department of Mathematics & Computer Science, D.S.B. campus, Kuamun University, Nainital	2017
Time series analysis of Primary Education Enrolment in India	8 th Conference of The Indian Science Congress Association (Haridwar Chapter)	Department of Mathematics & Computer Science, D.S.B. campus, Kuamun University, Nainital	2017
Internet of Things (IoT) in medical field	8 th Conference of The Indian Science Congress Association (Haridwar Chapter)	Department of Mathematics & Computer Science, D.S.B. campus, Kuamun University, Nainital	2017

Other Information**Participation and contribution in relevant areas in Higher Education:**

Title of Lecture/Academic Session/Paper presented	Title of conference/ Seminar	Organization	Area of specialization
Keynote Speaker	International Conference on "Emerging Trends in STEM & Health-Agri	MIET Kumaun, Haldwani.	Computer Science

	Sciences for Sustainable Development”.		
Resource Person	Short Term Course on ICT Enabled Learning	UGC-HRDC, KU, Nainital	Computer Science
Chaired Session	3rd IEEE International Conference on “Internet of Things: Smart Innovation and usages” (IoT- SIU 2018)	Birla Institute of Applied Sciences, Bhimtal in association with IEEE U.P. Section, and the USERC	Computer Science
Co- Convener	The National Symposium on “Technology Enabled Education”	S.S.J. Campus, Almora	Computer Science
Chaired Session	Digital Engagement at Community Level	(BIAS), Bhimtal	Computer Science
Resource Person	Workshop on Free and Open-Source Software	Govt. of India IT/MOOC Training Program	Computer Science

Involvement with formulation of academic programmes

S. No.	Nomenclature of Innovative Academic Programmes formulated	Organization	Year of Introduction
1.	NEP Syllabus (Computer Science)	Kumaun University	2020

Research Guidance:

Name of Programme	Registered	Awarded	Total
Ph.D. Computer Science	05	03	08
P.G dissertation	05	36	41

Signature of the faculty member