Dr. Sameer Kaul



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ACADEMIC QUALIFICATION

- Ph.D. in Computer Science, University of Kashmir, 2022.
- M.C.A, University of Pune, 2003.
- B.sc (Medical), GGM Science College,University of Jammu, 1999.
- 12th (Med/N-Med), JNV Ahmednagar,Mahrashtra-CBSE,1996.
- 10th CBSE,JNV Ahmednagar,Mahrashtra-CBSE,1994.

SPECIALIZATION

Operating System, Software Engineering, Open Source, Programming, Data Science, Machine Learning and Artificial Intelligence.

RESEARCH EXPERIENCE

- Carried out research on historical meteorological data of Kashmir division (Three Zones: North, Central and South) for design and development of predictive data mining technique for the management of climatic change.

PUBLICATIONS

A) Research Papers:

- 2026, Nishit Kaul, Sheikh Amir Fayaz, Sameer Kaul, Majid Zaman, Bharti Bhat, Waseem Bakshi, Fortifying Crypto-Assets: A Brief Review of Assessing Security Risks in Wallet Transactions, Springer.
- 2025, Nishit Kaul, Sameer Kaul, Bharti Bhat, Sheikh Amir Fayaz, Majid Zaman, Waseem Bakshi, Geno-Dwarf-ML: Structural Analysis of Machine Learning Techniques for Genetic Dwarfism Detection, International Journal of Intelligent Systems and Applications (IJISA)
- 2025,Sameer Kaul, Sheikh Amir Fayaz, Majid Zaman , Waseem Bakshi, Fatimah Ali, Nishit Kaul, Sameer Kaul, Bharti Bhat, IoT-Based Weather Forecasting: Predicting Rainfall in Rural Areas, Cyber-Physical System for Rural Development-Taylor & Francis Group.
- 2025,Sameer Kaul, Sheikh Amir Fayaz, Majid Zaman , Waseem Bakshi, Fatimah Ali, Nishit Kaul, Sameer Kaul, Bharti Bhat, Data-

Driven Optimization of Mental Health Diagnosis in Rural Areas, Cyber-Physical System for Rural Development-Taylor & Francis Group.

- 2025, Bharti Bhat, Mini Amit Arrawatia, Sameer Kaul, Sheikh Amir Fayaz, Majid Zaman , Waseem Bakshi, Women's Advancement in Technology Project Management Leadership (WAT-PML): A Literature review, Springer.
- 2025, Bharti Bhat,Waseem Bakshi, Mini Amit Arrawatia, Sheikh Amir Fayaz, Sameer Kaul, Majid Zaman, Barriers and Challenges to Women Advancing to leadership Positions in Technology Project Management, International Journal of Environmental Sciences.
- 2025, Nishit Kaul, Sameer kaul, Majid Zaman, Waseem bakshi, Bilal Maqbool Beighl, Bharti Bhat, Sheikh Amir Fayaz, Smart Flow: Enhancing Fluid Dynamics Simulations With Machine Learning for Scalable Model Reduction and Accurate Prediction, Recent Patents on Engineering.
- 2024, Nishit Kaul, Majid Zaman, Waseem bakshi, Sameer Kaul, Bharti Bhat, Sheikh Amir Fayaz, Analytical Study of Breast Cancer and Treatment Techniques, Science Direct, Elsevier.
- 2023, Nishit Kaul, Sameer Kaul, Majid Zaman, Waseem Jeelani Bakshi, Sheikh Amir Fayaz, Analogical Study of Activation Concept in Neural Networks with Neat- Python Module, International Information and Engineering Technology Association (IIETA).
- 2023, Sheikh Amir Fayaz, Majid Zaman, Sameer Kaul, Waseem Jeelani Bakshi, Optimising Cardiovascular Disease Prediction: A synergistic Approach of Grey Wolf Levenberg Model and Neural Networks, Journal of Information Systems Engineering and Business Intelligence.
- 2023, Sheikh Amir Fayaz, Nishit Kaul, Sameer Kaul, Majid Zaman,How Machine Learning is Redefining Agricultural Sciences:

  An Approach to Predict Apple Crop Production of Kashmir Province
- 2023, Sheikh Amir, Majid Zaman, Iqbal Hassan, Waseem Jeelani Bakshi, Sameer Kaul, Tree-Based Approach's to Mitigate the Heterogeneity Concerns among Different file Systems: A Possible Solution, International Information and Engineering Technology Association (IIETA).
- 2022, Sameer Kaul, Majid Zaman, Sheikh Amir, Muheet A Butt, Performance Stagnation of Meteorological Data of Kashmir, Springer LNNS series.
- 2022, Sameer Kaul, Sheikh Amir, Majid Zaman, Muheet Butt, Is Decision Tree Obsolete In Its Original Form? A Burning Debate, Revue d'Intelligence Artificielle.
- 2022, Sheikh Amir ,Sameer Kaul, Majid Zaman, Muheet A Butt , An Adaptive Gradient Boosting Model For The Prediction Of Rainfall Using ID3 As A Base Estimator, Revue d'Intelligence Artificielle.
- 2022, Sheikh Amir, Majid Zaman, Sameer Kaul, Muheet A Butt, Is Deep Learning on Tabular Data Enough? An Assessment, International Journal of Advanced Computer Science and Applications.

- 2022, Sheikh Amir ,Sameer Kaul, Majid Zaman, Muheet A Butt, Hoe machine learning algorithms are used in meteorological data classification: A comparative approach between DT,LMT,M5-MT, Gradient Boosting and GWLM-NARX Models, Applied Computer Science.
- 2022, Sameer Kaul, Majid Zaman, Sheikh Amir, Muheet Butt ,How M5 Model Trees (M5-MT) on Continuous Data Are Used in Rainfall Prediction: An Experimental Evaluation, Revue d'Intelligence Artificielle.
- 2020, Majid Zaman, Sameer Kaul, Muheet Butt, Analytical Comparison between the information Gain and Gini Index using historical geographical data, International Journal of Advanced Computer Science and Applications.
- 2020, Sameer Kaul, Majid Zaman, Muheet Butt, Data Integration and Database Formation of Historical Geographical Datasets, International Journal of Advanced Trends in Computer Science and Engineering.

- 2018, Sameer Kaul, Roheela Amin,Majid Zaman, Muheet A Butt, Integrated Design for Energy and Weather Forecasting Using Different Base Learners on wind and Rain Dataset, IOSR Journal of Engineering(IOSRJEN).
- 2017, Sameer kaul, Majid Zaman, Muheet A Butt, Comparative Overview of The Advantages and Shortcomings of Popular Data Mining Techniques Used in Weather Prediction, International Journal of Emerging Technology and and Advanced Engineering.
- 2017, Sameer kaul, Majid Zaman,Critical Analysis of Data Mining Techniques for Meteorological Data Analysis, International Journal of Computer and Mathematical Science.
- 2017, Sameer kaul, Majid Zaman, Muheet A Butt , Comparing Rainfall pattern of two Cold Regions using Historical Meteorological Rain Dataset, International Journal of Innovations and Advancement in Computer Science.
- 2017, Sameer Kaul, Dbscan Based Seed Initialization of K-Means Algorithm, International Journal of Advanced Research in Computer Science.

- 2017, Sameer Kaul, Review of Existing Data Mining Techniques Used for Weather Prediction, Engineering journal.

B) Books:

- Object Oriented Programming using C++, Kalyani Publications, New Delhi.
- Web Designing, Kalyani Publications, New Delhi.

CONFERENCES

- Attended first National Teachers Congress in Pune, Maharashtra in June, 2016.
- Attended Second National Teachers Congress in Pune, Maharashtra in June, 2018.
- Organized one-week UGC Sponsored Conference on “Relevance

of IT in Teaching Learning Process", 2017.

- Organized Two-Day International Conference on "Advances in Computer Sciences & Technology (ICACS&T-2023)" on 17th -18th March 2023.
- Organized Two-Day International Conference on "Multidisciplinary Research and Innovation (ICMRI-2024)" on 19th -20th March 2024

WORKSHOP ATTENDED

- Attended State Level workshop in Information Technology at Govt. Women College, Gandhinagar, Jammu, 2006.
- Attended four (04) week Orientation Course organized by UGC-HRD Centre, University of Kashmir, Srinagar, J&K.
- Attended three (03) week Refresher Course organized by UGC-HRD Centre, University of Kashmir, Srinagar J&K.
- Acted as a Resource Person in One Week UGC Sponsored Faculty Development Workshop organized by Islamia College of Science & Commerce, Srinagar J&K from 24.03.2014 on:- "ICT & e-Learning in Higher Education".
- Acted as a Chairperson for Technical Sessions in One Week UGC Sponsored Faculty Development Workshop organized by Islamia College of Science & Commerce, Srinagar J&K from24.03.2014 on:- "ICT & e-Learning in Higher Education".
- Attended three (03) week Refresher Course organized by UGC-HRD Centre, University of Kashmir, Srinagar J&K.
- Attended three (03) week Faculty development program organized by EDI, Srinagar, J&K, India.

ADMINISTRATIVE EXPERIENCE

- Worked as Dy. Controller Examination (Secrecy and Tabulation) in the Examination Cell of Islamia College of Science and Commerce, Srinagar, J&K from April, 2017 to June, 2022 under UGC Autonomous Status of the College.
- Worked as Dy. Controller (Registration), Islamia College of Science and Commerce, Srinagar, J&K from May,2025 to June,2026 under UGC Autonomous Status of the College.
- Worked as ANO, Army wing 1st Battalion J&K, at Islamia College of Science and Commerce, Srinagar.

- Worked as Member College NAAC Committee, Islamia College of Science and Commerce, Srinagar.
- Worked as Member College IQAC, Islamia College of Science and Commerce, Srinagar.
- Worked as Member College Building Committee, Islamia College of Science and Commerce, Srinagar.
- Worked as College In-Charge Sessional, Islamia College of Science and Commerce, Srinagar.
- Acted as Chairman Board of Studies for Department of Information Technology, Islamia College of Science & Commerce, Srinagar, J&K-India.
- Acted as Member of Board of Studies for Department of Computer Applications, Islamia College of Science &Commerce, Srinagar, J&K-India.
- Worked as Member College Sports Committee, Islamia College of Science and Commerce, Srinagar.
- Worked as Coordinator IGNOU at Govt. College for Women, MA Road Srinagar with Centre Code 30039.
- Worked Coordinator Conferences and workshops at Govt. College for Women, MA Road Srinagar.
- Worked as Nodal officer of Viksit Bharat@2047: Voice of youth at Govt. College for Women, MA Road Srinagar.
- Worked as member College IQAC at Govt. College for Women, MA Road Srinagar.
- Worked as member College ICT committee at Govt. College for Women, MA Road Srinagar.
- Worked as member College purchase committee at Govt. College for Women, MA Road Srinagar.