



# Prabhat Mittal

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## Education

- 2013 **Post-doctoral Fellow**, *Department of Industrial and Systems Engineering, University of Minnesota*, Minneapolis MN-55455 (U.S.A.).
- 2011 **Ph.D.**, *Faculty of Management Studies (FMS)*, University of Delhi, Specialized in Supply Chain Management.  
"A Study of Multi-Location Retail Supply Chain Network with Reference to Bullwhip Effect"
- 2000 **M.Phil.**, *Faculty of Mathematical Sciences*, University of Delhi, Marks – 78.2  
Specialized in Operational Research.  
"Some aspects of Sensitivity analysis in Mathematical Programming Problems"
- 1997 **M.Sc.**, *Hans Raj College*, University of Delhi, Marks – 75.6.  
Specialized in Operational Research
- 1995 **B.Sc.(Hons)**, *Kirori Mal College*, University of Delhi, Marks – 70.6.  
Specialized in Mathematics
- 1992 **Intermediate**, *Delhi Public School*, Ghaziabad, Marks – 73.4, Maths– 99.0.  
Specialized in Mathematics, Physics, Chemistry

## Experience

- 2018 **Professor**, *Busines Data Processing & Management*, Satyawati College (E), University of Delhi.
- 2013 **Associate Professor**, *Satyawati College (E)*, University of Delhi.
- 2003 **Assistant Professor**, *Satyawati College (Eve.)*, University of Delhi.

## Areas of Interest

- Teaching Big Data Analytics, Statistics for Management, Business Research Methods, Corporate Data Mining, Financial Mathematics, Software training of R, SPSS, AMOS, PLS, SAS, Ms-Excel, Minitab
- Research Financial Econometrics, Mathematical Finance, Predictive Analytics, Supply chain Management

## Publications

- 2023 **Forecasting of Crude Oil Prices Using Wavelet Decomposition Based Denoising with ARMA Model**, Asia Pacific Financial Markets ISSN 1573-6946 **Scopus** Indexed **SPRINGER**, [DOI].
- 2023 **Exploring student community engagement in higher education: A bibliometric analysis on the path to sustainable development**, International Journal of Experimental Research and Review ISSN 2455-4855, 32 166-177 **Scopus**, [DOI].
- 2023 **Wavelet based analysis of oil price shocks, exchange rate, and stock market behavior: Evidences from emerging markets**, OPEC Energy Review ISSN 1753-0237 **Scopus** Indexed **WILEY**, [DOI].
- 2023 **A Co-occurrence Network Analysis of research work in supply chain finance and corporate sustainable strategy in Industrial sector**, International Journal of Experimental Research and Review ISSN 2455-4855, 32 378-386 **Scopus**, [DOI].
- 2023 **Exploring the Mechanisms Linking Perceived Organizational Support, Autonomy, Risk Taking, Competitive Aggressiveness and Corporate Sustainability: The Mediating Role of Innovativeness**, Sustainability ISSN 2071-1050 **Scopus, SCIE and SSCI, Q2**, [DOI].
- 2023 **Wavelet transformation and predictability of Gold Price Index Series with ARMA model**, International Journal of Experimental Research and Review ISSN 2455-4855, 30 127-133 **Scopus**, [DOI].
- 2023 **Logistic Regression and Predictive Analysis For AI Strategies in Public Services**, TEM Journal ISSN 2217-8333, 12(2) 751-756 **Scopus**, [DOI].
- 2023 **Readiness and Challenges of E-Learning during the COVID-19 Pandemic Era: A Space Analysis in Peninsular Malaysia**, International Journal of Environmental Research and Public Health ISSN 1660-4601, 20(2) 905 **Scopus, SCIE, SSCI Q1**, [DOI].
- 2023 **Modelling long memory dependence structure using FIGARCH-copula approach evidence from major Asian stock markets**, Global Business and Economics Review ISSN 1745-1329, **Scopus** Indexed **INDERSCIENCE**, [DOI].
- 2023 **A Framework to Build and Clean Multi-language Text Corpus for Emotion Detection using Machine Learning**, Journal of Theoretical and Applied Information Technology ISSN 1817-3195 **Scopus**, [DOI].
- 2023 **Nexus Between Economic Growth and Unemployment Rates: A Bibliometric Analysis of Various Methods and Mechanisms**, Anusandhan-NDIM Journal of Business and Management Research 5(1), 8-21, [DOI].
- 2022 **Virtual Learning during COVID-19: Exploring Challenges and Identifying Highly Vulnerable Groups Based on Location**, International Journal of Environmental Research and Public Health ISSN 1660-4601, 19,11108 **Scopus, SCIE, SSCI Q1**, [DOI].
- 2022 **Online Learning for Enhancing Employability Skills in Higher Education Students: The Mediating Role Of Learning Analytics**, TEM Journal ISSN 2217-8333, 11(4) 1469-1476 **Scopus**, [DOI].

- 2022 **Binary and Multi-class Classification of Brain Tumors using MRI Images**, International Journal of Experimental Research and Review ISSN 2455-4855, 29 1-9 **Scopus** , [\[DOI\]](#).
- 2022 **A study on total RNA including microRNA isolation from cell lines by different cost effective methods**, International Journal of Experimental Research and Review ISSN 2455-4855, 29 94-104 **Scopus** , [\[DOI\]](#).
- 2022 **Virtual Learning during COVID-19: Exploring Challenges and Identifying Highly Vulnerable Groups Based on Location**, International Journal of Environmental Research and Public Health ISSN 1660-4601, 19(17) 11108 **Scopus, SCIE, SSCI Q1** , [\[DOI\]](#).
- 2022 **Systematic Analysis of Predictive Modeling Methods in Stock Markets**, International Research Journal of Computer Science 9(11), 377-385 , [\[DOI\]](#).
- 2022 **Comprehensive Analysis of Privacy Preserving Data Mining Algorithms for Future Develop Trends**, International Research Journal of Computer Science 9(10), 367-374 , [\[DOI\]](#).
- 2022 **Awareness, Perceived Risk, and Protective Behavior Towards Covid-19 Among Undergraduate Students of Delhi and NCR, India**, International Journal Of Pharmaceutical Research And Allied Sciences ISSN 2277-3657, 11(3),71 **ESCI** , [\[DOI\]](#).
- 2022 **A mathematical model for suitability of smartphone apps for children**, Human Behaviour and Emerging Technologies ISSN 2578-1863, 1-7 **Scopus** Indexed **WILEY** , [\[DOI\]](#).
- 2022 **Designing Drawing Apps for Children: Artistic and Technological Factors**, International Journal of Human Computer Interaction 38:2, 103-117 **Scopus, Q1 Taylor & Francis**, [\[DOI\]](#).  
Commendable research award in year 2023 from NSUT, Delhi
- 2022 **Effect of Greater Duckweed Spirodela polyrhiza Supplemented Feed on Growth Performance, Digestive Enzymes, Amino and Fatty Acid Profiles, and Expression of Genes Involved in Fatty Acid Biosynthesis of Juvenile Common Carp Cyprinus carpio**, Frontiers in Marine Science 9:788455 **Scopus** , [\[DOI\]](#).
- 2021 **Analysing time-frequency relationship between COVID-19 and FII trading activities using wavelet coherence analysis**, Global Business and Economics Review ISSN 1745-1329, 25(3):387-399, **Scopus** Indexed **Inderscience**.
- 2021 **Children's interaction with touchscreen devices: Performance and validity of Fitts' law**, Human Behavior and Emerging Technologies, **Scopus** Indexed **Wiley**, [\[DOI\]](#).
- 2021 **Logistics Networks: A Sparse Matrix Application for solving the Transshipment Problem**, Journal of Mathematical and Computational Science ISSN 1927-5307 11(6): 7511-7522 **Scopus** , [\[DOI\]](#).
- 2021 **Fuzzy bundling of corporate governance practices and performance of Indian firms**, Corporate Governance ISSN 1472-0701 **Scopus Q1 Emerald** , [\[DOI\]](#).

- 2021 **The Mediating Role of Big Data to Influence Practitioners to Use Forensic Accounting for Fraud Detection**, European Journal of Business Science and Technology ISSN 2694-7161, 7(1):47-58, **Scopus EJOBSAT** , [\[DOI\]](#).
- 2021 **Entrepreneurship education and employability skills: the mediating role of e-learning courses**, Entrepreneurship Education **Springer**, [\[DOI\]](#).
- 2020 **Big data and analytics: a data management perspective in public administration**, International Journal of Big Data Management 1(1), 1, **Inderscience**, [\[DOI\]](#).
- 2020 **Role of Emotion in Excessive Use of Twitter During COVID-19 Imposed Lockdown in India**, Journal of Technology in Behavioral Science. **Scopus Springer**, [\[DOI\]](#).
- 2020 **Opinion of students on online education during the COVID-19 pandemic**, Human Behavior and Emerging Technologies 1-9, **Scopus Wiley**, [\[DOI\]](#).  
Most downloaded article of Wiley in year 2020
- 2020 **Corporate Governance and Risk Bundling: Evidence from Indian Companies**, European Journal of Business Science and Technology ISSN 2694-7161, 6(1):37-52, **Scopus** , [\[DOI\]](#).
- 2020 **Control of COVID-19: A Counter Factual Analysis**, Administrative development, Journal of HIPA, Shimla ISSN 2319-2976, 7(1):1-24, **UGC Care** , [\[URL\]](#).
- 2019 **Impact of Auto-regressive (AR) Process in Bullwhip Analysis in a Multi-location Supply Chain Network**, Journal of Business Management and Information Systems, Vol 6 (1), pp. 19-26, ISSN:2394-3130 [\[DOI\]](#) .
- 2019 **Dietary supplementation of vitamin C: an effective measure to give protection against UV-B irradiation using fish as model organism**, Photochem. Photobiol. Sci, ISSN:1474-905X, **Scopus Indexed** [\[DOI\]](#) .
- 2018 **World University Rankings: Challenges for Higher Education In India**, Administrative development, Journal of HIPA, Shimla, 5(2), pp. 63-68.  
ISSN: 2319-2976, **UGC Care Indexed** [\[URL\]](#)
- 2018 **Children aged 6-24 months like to watch YouTube videos but could not learn anything from them**, Acta Paediatrica, ISSN:0803-5253, **Wiley Scopus Indexed** [\[DOI\]](#).
- 2017 **Time Series Analysis Using ARCH Models: A Case Analysis of Australian Stock Index**, VEETHIKA-An Interdisciplinary International Research Journal, 3(1), pp. 74-80, ISSN: 2454-342x **UGC Indexed** [\[DOI\]](#).
- 2016 **Quantifying the Bullwhip in Multi-location Supply Chain Network: The Impact of Demand Forecasting** , BULMIM Journal of Management Research, 1(1), pp. 55-60, ISSN: 2455-3298 [\[URL\]](#).
- 2016 **Impact of Temperature Gradient on the Indian Major Carp Catla catla Larvae**, Proceedings of the National Academy of Sciences, India Section B: Biological Sciences, ISSN:0369-8211, **Scopus Indexed** [\[DOI\]](#).
- 2015 **Base Erosion and Profit Shifting: The new Framework of International Taxation**, Journal of Business Management and Information Systems, Vol 2 (2), pp. 108-114, ISSN:2394-3130 **UGC Indexed** [\[DOI\]](#).

- 2015 **Aspects of sensitivity analysis on NAV valuation in Real Estate sector : A case on Prajay Engineers Syndicate**, , VEETHIKA-An Interdisciplinary International Research Journal, 1 (3), pp. 44-52, ISSN: 2454-342x **UGC Indexed** [\[DOI\]](#).
- 2014 **Gold Price Movements: Common Wisdom and Myths**, Journal of Business Management and Information Systems, Vol 1 (1), pp. 54-68, ISSN:2394-3130 **UGC Indexed** [\[DOI\]](#).
- 2014 **Challenges in Managing the Blood Supply Chain, from Donor to Patient together with the Hospital**, Journal of Business Management and Information Systems, Vol I (1), pp. 37-47, ISSN:2394-3130 **UGC Indexed** [\[DOI\]](#).
- 2013 **Achieving Excellence in Higher Education of India through Six Sigma Framework**, Academe, H. P. University, Shimla, Vol XVI (1), pp. 115-118, ISSN:2229-6581 **UGC Indexed**.
- 2013 **Fighting Cyber Crimes in India - Achievements and Challenges**, Administrative development, Journal of HIPA, Shimla, ISSN: 2319-2976 1(2): 28-35 **UGC Indexed**.
- 2013 **Intra-trading Mechanism of Gold Futures:An Empirical Investigation**, Interdisciplinary Journal of Contemporary Research in Business, Vol 4(9), pp. 469-478, ISSN:2073-7122 [\[URL\]](#).
- 2012 **Managing Bullwhip and Pooling Effect under Spatially-correlated Demand in FMCG Retailing** , MAIMS Journal of Management, 7( 1), pp. 13-18, ISSN: 22490116.
- 2011 **Post-reform Impact of FDI on Economic Growth in India**, Indian Management Studies Journal, 15(2), pp. 21-31, ISSN: 0974-4355.
- 2011 **Comparative study of Realized Index Volatility Mechanism of S & P 500 (US) and S & P CNX Nifty of India**, Journal of Management and Information Technology, 3(1), pp. 1-7, ISSN: 0975-5187.
- 2011 **Johansen Co-integration analysis of Indian and Major Global Stock Market Indices: An Empirical Study**, Nice Journal of Business, 6(1), pp. 9-22, ISSN: 0973-449X.
- 2010 **Empirical Investigation of Price Variability Mechanism of Colombo All Share Price Index**, Business Analyst, 31(2), pp. 21-29, ISSN: 0973-211X.
- 2010 **E-Supply Chain & Digital Technologies: A Vision**, IME Journal, 5(2), pp. 9-11, ISSN:0974-0716.
- 2008 **Empirical Analysis of Volatility in S & P CNX Nifty stock markets using GARCH models**, International Journal of Operations and Quantitative Management (IJOQM), 14(2), pp. 109-116, ISSN:1082-1910, **Scopus** Indexed.
- 2008 **Evaluating Volatility due to Risk Metrics Approach on Bank Indices of Indian Stock Market**, IME Journal, 2(1), pp. 35-41, ISSN:0974-0716.
- 2008 **Development of survivorship model for UV-B irradiated Catla catla larvae**, Aquatic Ecology, 42(1), pp. 17-23, ISSN:1386-2588, **Scopus** Indexed.

- 2006 **Functional changes in digestive enzymes and characterization of proteases of silver carp and bighead carp symbol hybrid, during early ontogeny**, *Aquaculture* , 253(1), pp. 694-702, ISSN:00448486, **Scopus** Indexed.

## Books Published

- 2023 **Plant Disease Forecasting Systems: Procedure, Application and Prospect**, ISBN 978-981-99-1209-4 **Springer**, [DOI].
- 2006 **Computer Fundamentals**, ISBN 81-89253-22-0 **Paragon International Publishers**, [DOI].

## Proceedings/Book Chapters

- 2023 **Working from Home in the Post-Pandemic World: A Structural Equation Modeling-based Study**, 2023 International Conference on Advancement in Computation & Computer Technologies (InCACCT) **IEEE**, [DOI].
- 2023 **A Review of The Role of Artificial Intelligence in Employee Engagement**, 2023 9th International Conference on Advanced Computing and Communication Systems (ICACCS) **IEEE**, [DOI].
- 2023 **Tech-Enabled Sustainable HR Strategies: Fostering Green Practices**, 2023 9th International Conference on Advanced Computing and Communication Systems (ICACCS) **IEEE**, [DOI].
- 2022 **A Novel Technique to Detect Inappropriate Content Accessed by Children on Smartphone**, Lecture Notes in Networks and Systems book series (LNNS, volume 473) **SPRINGER**, [DOI].
- 2022 **Role of Artificial Intelligence (AI) In meeting Diversity, Equality and Inclusion (DEI) Goals**, Proceedings 2022 8th International Conference on Advanced Computing and Communication Systems (ICACCS) **IEEE Xplore**, [DOI].
- 2022 **The Role of Learning Analytics in Higher Education: A Strategy towards Sustainability**, Proceedings 2021 International Conference on Computational Performance Evaluation (ComPE) **IEEE Xplore**, [DOI].
- 2022 **Financial literacy and digital product use for financial inclusion: A GETU model to develop financial literacy**, Proceedings 2022 8th International Conference on Advanced Computing and Communication Systems (ICACCS) **IEEE Xplore**, [DOI].
- 2022 **Cryptocurrency: A Critical Analysis of Embedded Big Data Analytics**, Proceedings of International Conference on Innovative Computing & Communication (ICICC) 2022 **SSRN**, [DOI].
- 2022 **Implication of Privacy Laws and Importance of ICTs to Government Vision of the Future**, Proceedings of International Conference on Innovative Computing and Communications. *Advances in Intelligent Systems and Computing*, vol 1394 **Springer**, [DOI].



- 2022 **Analyzing the Impact of Forensic Accounting in the Detection of Financial Fraud: The Mediating Role of Artificial Intelligence**, Proceedings of International Conference on Innovative Computing and Communications. Advances in Intelligent Systems and Computing, vol 1388 **Springer**, [DOI].
- 2021 **A multi-criterion decision analysis based on PCA for analyzing the digital technology skills in the effectiveness of government services**, Proceedings 2020 International Conference on Decision Aid Sciences and Application (DASA) **IEEE Xplore**, [DOI].
- 2021 **Impact of Digital Capabilities and Technology Skills on Effectiveness of Government in Public Services**, Proceedings 2020 International Conference on Data Analytics for Business and Industry: Way Towards a Sustainable Economy (ICDABI) **IEEE Xplore**, [DOI].
- 2020 **User Interface of a Drawing App for Children: Design and Effectiveness**, International Conference on Innovative Computing and Communications. Advances in Intelligent Systems and Computing (Volume 1165) 53-61, **Springer** Singapore, [DOI].
- 2015 **Electronic Financial Markets and their Role in Economic Development with Special Reference to Metal Commodities**, Inclusive Growth in Modern Indian Economy, Excel Books (New Delhi), ISBN: 978-93-85777-00-4.
- 2013 **Sanskrit: Inspiring for Future in Management Anveshana**, Research Canvas, pp. 152-156, ISBN: 978-93-81394-63-2.
- 2009 **Web Enabled E-Procurement: Present Status and Future prospects in Managing Supply chain Processes**, Innovations in Information Systems and Technology, Macmillan Publishers, pp. 199-205, ISBN:0230-63825-2.
- 2008 **IT Service Sector - on developing confidence to forge ahead**, Business and Competitive Dynamics, Macmillan Publishers, pp. 37-40, ISBN: 0230-63515-6.

## Projects Undertaken

- 2010-2012 **Co-investigator**, *Evaluating Price Variability and the impact Of Dollar/INR Exchange Rate Volatility on Commodity Futures of Indian and Overseas Markets*, - A Major Research Project, Sponsored by University Grants Commission.
- 2011-2012 **Co-investigator**, *Emerging Gram Panchayat Leadership in Rajasthan: A Comparative Study of Banswada (ST), Ganganagar (SC) and Alwar (Gen) District*, - Innvation Project, Sponsored by University of Delhi.
- 2015-2016 **Co-investigator**, *Participation of Women in MNREGA: A Case Study of Selected Districts of Himachal Pradesh*, - Innvation Project SEC-301, Sponsored by University of Delhi.
- 2019-20 **Project Investigator**, *Impact Assessment of Mukhya Mantri Adarsh Gram Yojana (MMAGY) in Himachal Pradesh*, Sponsored by Himachal Institute of Public Administration (HIPA), Shimla.
- 2020-21 **Co-Project Director**, *Study on Police Accountability, Motivation and Control*, Sponsored by Bureau of Police Research & Development (BPR &D), Delhi.

2023-25 **Project Director**, *Student community engagement initiatives in Swachh Bharat Abhiyan: Environment and Sustainability campaigns in higher education institutions* Study on Police Accountability, Motivation and Control, Sponsored by ICSSR ICSSR-RMM2022-13376, Delhi.

**Statistical Analyst**, *National survey on Consumer friendly Cable TV system*, Consumer Unity Trust Society CUTS, Sponsored by Ministry of Consumer Affairs.

**Statistical Analyst**, *National survey on Rational use of Drugs*, Consumer Unity Trust Society CUTS, Sponsored by World Health Organization.

**Consultant**, *Statistical task of Prevalence Study*, for ASK Training and Learning Pvt. Ltd. & International Justice Mission, Chennai July 2022.

## Other Academic Activities

- Participated **Orientation Program, Apr-May 2005**, SGTB Khalsa College, University of Delhi, Sponsored by University Grants Commission.
- Participated **Refresher Course in Computer Applications, Feb - Mar 2006**, Academic Staff College JNTU, Hyderabad, Sponsored by University Grants Commission.
- Participated **Refresher Course in Advanced Trends in Web Mining and Data Warehousing, Oct-Nov 2010**, Academic Staff College CPDHE, University of Delhi, Sponsored by University Grants Commission.
- Participated **Refresher Course in Research Methodology for Social Sciences, Mar 03-22, 2014**, UGC-Academic Staff College H. P. University, Shimla.
- Participated **Workshop with Data Users on Industrial Statistics, National Accounts and Price Statistics, July 2, 2014**, Ministry of Statistics and Programme Implementation (MOSPI), Central Statistics Office, Government of India.
- Participated **Workshop on Environmental Awareness and Consciousness in 21st Century on April 13, 2017**, Eco-Club, Satyawati College Eve., University of Delhi.
- Participated **Faculty Development Program on "Gender Sensitization and Human Rights" Oct 15-21, 2018**, Women's Studies & Development Centre and Satyawati College Eve., University of Delhi.
- Participated **Workshop on "Application of GIS in Social Science Research" June 25-27, 2019**, Centre for Technology Alternatives for Rural Development (CTARA), IIT Mumbai, Maharashtra.
- Participated **FDP on "21st Century emerging trends in Research and Paradigm Shift in Business Practices " Dec 15-20, 2020**, MIET college sponsored by AICTE, Delhi, Online.
- Conference Chair **Third International Conference on Women Studies Nov 25-26, 2011**, *International Conference*, Punjabi University, Patiala.
- Conference Chair **Global Economic Scenario: Threats & Opportunities for Corporate World Jan 27, 2012**, *National Conference*, GNIM, Delhi.
- Conference Chair **Web Media and Global Scenario in Hindi, Jan 11-12, 2013**, *UGC sponsored International Conference*, K M Agrawal college, Kalyan.



- Conference Chair **Alternative Media and Social Concerns, Feb 7-8, 2014**, *UGC sponsored International Conference*, K M Agrawal college, Kalyan.
- Conference Chair **The Impact of ICT on Contemporary Society, 4th Dec 2014**, *International Conference*, Laxman Devram Sonawane College, Kalyan.
- Conference Chair **Accelerating Rural Growth: New Technology, Innovation and Entrepreneurship Sep 2-3, 2016**, *National Conference*, Shri Aatm Vallabh Jain Girls College, Sri Ganganagar, Rajasthan.
- Conference Chair **8th International Conference on Advanced Computing and Communication Systems (ICACCS 2022) Mar 25-26, 2022**, Shri Eshwar Engineering College, Coimbatore, Tamilnadu.
- Invited Speaker **Technological Disruptions in Internationalization of Higher Education - Problems and Prospects May 4, 2022**, *iHED - International Higher Education Dialogue Conference 2022*, Session on Equity and Access: Enabling International Education for All, Organized by DAAD and Association of Indian Universities.
- Organizing Secretary **National Seminar on Poverty and Health Rights of Handloom Weavers in India, 21st Nov, 2014**, Satyawati College Eve., University of Delhi.
- Organizing Secretary **National Seminar on Dr. B. R. Ambedkar's Vision for Modern India, 8th February, 2016**, Satyawati College, University of Delhi.
- Convener **Two Days Faculty Development Program on Data Analytics Using R Environment Aug 25-26, 2017**, Satyawati College Eve., University of Delhi.
- Organizing Secretary **National Seminar on Buddhism in Early Medieval India, 15th Sep, 2017**, Satyawati College Eve., University of Delhi.
- Coordinator **Refresher Course in E-learning and Digital Learning, Sep 5-25, 2017**, UGC-HRDC, University of Delhi.
- Organizing Secretary **National Seminar on Environmental Sustainability and Conservation, 15th Nov, 2017**, Satyawati College Eve., University of Delhi.
- Convener **Faculty Development Program on "Gender Sensitization and Human Rights" Oct 15-21, 2018**, Women's Studies & Development Centre and Satyawati College Eve., University of Delhi.
- Convener **International Conference on "Sustainable Development Goals (SDGs): Opportunities and Challenges in 2030 Agenda ICSDG19" March 15, 2019**, Himachal Institute of Public Administration, Fairlawns, Shimla, Himachal Pradesh.
- Convener **National Conference on "Accelerating Rural Growth: New Technology, Innovation and Entrepreneurship NCARG19" June 15, 2019**, Himachal Institute of Public Administration, Fairlawns, Shimla, Himachal Pradesh.
- Conference Editor **International Conference on "Advances in Management and Technology for Sustainability Development ICAMTSD21" September 4-5, 2021**, Himachal Institute of Public Administration, Fairlawns, Shimla, Himachal Pradesh.

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## National/International Conference Presentations

- 2021 **Wavelet-based forecasting of Crude Oil Price with Denoising ARMA Model**, ICETPAM-2021 - Mathematical Finance Session 13:30-14:00 hrs, University of Bahrain 22 June 2021 (Online) .
- 2020 **Impact of Digital Capabilities and Technology Skills on Effectiveness of Government in Public Services**, International Conference on Data Analytics for Business and Industry, University of Bahrain 26-27 October 2020 (Online) [IEEE](#).
- 2020 **A multi-criterion decision analysis based on PCA for analyzing the digital technology skills in the effectiveness of government services**, The International Conference on Decision Aid Sciences and Applications (DASA 20), University of Bahrain 8-9th November 2020 (Online) [IEEE](#).
- 2019 **Big Data Driven Healthcare Supply Chain: Understanding Potentials and Capabilities**, International Conference on Advancements in Computing & Management (ICACM-2019), Jagannath University, Jaipur, India [Elsevier-SSRN](#).
- 2019 **Big Data and Analytics in Rural Development**, National Conference on "Accelerating Rural Growth: New Technology, Innovation and Entrepreneurship", Himachal Institute of Public Administration (HIPA), Shimla June 15, 2019.
- 2018 **Market Risk Premium Violations in Asset Pricing Models-A Higher Order Moments Approach**, [ACBES18 University of Economics, Ho Chi Minh, Vietnam](#) 8-9 Sep, 2018.
- 2018 **Competence of Teachers beyond the boundaries (Be equipped in global perspectives)**, National Seminar on "Globalization and Its Impact on Indian Culture and Social Values", Km. Mayawati Govt. P.G. College, Gautambudh Nagar Jan 20, 2018.
- 2016 **Effectiveness of AR (p) Forecasting tool in Cracking the Bullwhip Effect in a Multi-location Supply Chain Network**, [ICBAI16 IISC Bangalore](#) 19-21 Dec, 2016.
- 2016 **Role of MGNREGA in Rural Employment: A Critical Review from Himachal Pradesh**, National Symposium on MGNREGA: Impact and Women's Participation, Govt. College, Solan, H. P., Sep 27, 2016.
- 2016 **Role of MGNREGA in Rural Employment: A Review from Rajasthan**, National Conference NCRG16, Shri A. V. J. Girls College, Sri Ganganagar, Rajasthan, Sep 2-3, 2016.
- 2014 **Bullwhip Analysis in Supply Chain with Demand Forecasting**, Biennial Supply Chain Management Conference 2014, [IIM Bangalore](#) Dec, 2014.
- 2014 **Cross-Market Linkages between U.S. and Indian Gold Futures Trading with Asymmetric Power of GARCH**, 4th India Finance Conference 2014, [IIM Bangalore](#) Dec, 2014.
- 2014 **Information flows between the U.S. and India Gold Futures Trading**, Indian Institute of Advanced Studies, [IIAS Shimla](#) Sep, 2014.
- 2013 **On the Path of Growth in Hindi Web Media and Business**, International Conference on Web Media and Global Scenario of Hindi, Kalyan (Maharashtra).

- 2012 **Gold Price Movements: Common Wisdom and Myths**, Indian Institute of Advanced Studies, [IIAS Shimla](#) Sep,2012.
- 2010 **Export-diversifying Impact of FDI in Emerging and Developing Economies**, International Conference on Technology and Business Management, [ICTBM10 IMT, Dubai](#).
- 2010 **Empirical Investigation of Price Variability Mechanism of Colombo All Share Price Index**, International Conference on Business and Information, [ICBI10 Kelaniya University, Srilanka](#).
- 2010 **A Study of Economic Impact of Foreign Direct Investment in India using logistic models**, National conference on the Impact of Foreign direct Investment on Indian Economy, Loyala College, Chennai.
- 2009 **Market Integration and Contagion of Standard & Poor (S & P) CNX Nifty of India with major Global Stock Indices**, Twenty-first Asian Pacific Conference on International Accounting Issues, [Las Vegas, USA](#).
- 2009 **Bullwhip and Pooling Effect under Spatially-Correlated Demand**, Ninth International Conference on Operations and Quantitative Management, [IJOQM09 Las Angeles, USA](#).
- 2009 **Co-integration and Correlation among Developed Global Equity Markets with Standard and Poor (S & P) CNX Nifty Index of Indian Stock Market**, Fourth International Conference on Public Policy and Management, [CPPM09 IIM Bangalore](#).
- 2009 **Exploring Data Patterns and Predictability with ARIMA models**, International Conference on Business Management and Marketing, [EBMM09 Nanyang Technological University \(NTU\), Singapore](#).
- 2009 **Performance of Trading Tactics based on Moving Average Rule**, Ninth International Conference on Operations and Quantitative Management, [IJOQM 09 Las Angeles, USA](#).
- 2008 **Forecasting Directional Movement of Nifty Index: Using Logit & Probit Models**, Twenty Asian Pacific Conference in International Accounting Issues, [Paris, France](#).
- [Visiting Faculty](#)
- 2002-06 **Shri Ram College of Commerce (SRCC), Department of Financial Studies for MFC, Department of Commerce, Kiroi Mal College, Keshav Puram Mahavidyalaya, University of Delhi**, Teaching areas- Computer Application courses, Operational Research Quantitative techniques and Theory of probability.
- [Guest Lectures as Resource person](#)
- Sep 5, 2002 **Statistical Methods in Communication Research**, Makhanlal Chaturvedi Rashtriya Patrakarita University, Bhopal.
- May 8-12, 2012 **Research Methodology: Trends, Tools & Techniques**, *Faculty Development Program*, Punjab Technical University (PTU), DIMT, Doraha.
- Oct 16-17, 2012 **Research Methodology**, *Training Program*, Himachal Institute of Public Administration (HIPA), Fairlawns, Shimla.

- Jan 12-13, 2013 **Research Methods and Data Analysis using SPSS & Ms-Excel**, *Faculty Development Program*, Indian Accounting Association & Shivaji College, Akola.
- Mar 4-5, 2013 **Data Analysis and Interpretations in Research Writing**, *Workshop on Writing Research Project Proposals and Research papers*, Academic Staff College, Guru Jambheshwar University, Hisar.
- Apr 27-28, 2013 **Research Methods and Data Analysis using SPSS**, *Faculty Development Program*, DMIMS, Nagpur University, Nagpur.
- June 18-19, 2014 **Data Mining with SPSS & Interpretation of Research Results**, *Refresher Course in "Research Methodology in Social Sciences"*, Academic Staff College, Guru Jambheshwar University, Hisar.
- Basic Statistical Tools and Its Applications**, *Orientation Programme-18*, Academic Staff College, Guru Jambheshwar University, Hisar.
- Nov 20 & 26, Dec 23, 2014 **Communicating Research-Creating Posters Using Ms-Powerpoint & Google for Researchers**, at Academic Staff College, University of Delhi, Delhi.  
Refresher Course in Hindi (Nov 20, 2014), Refresher Course in Women Studies (Nov 26, 2014), Orientation Course 78 (Nov 20, 2014), Orientation Course 79 (Dec 23, 2014)
- Jan 24, 2015 **Data Analytics Using SAS**, *Workshop*, Deen Dayal Upadhyay College, University of Delhi, Delhi.
- Mar 21, 2015 **Using SAS to Clean Big Data**, *Faculty Development Program*, Shri Ram College of Commerce (SRCC), University of Delhi, Delhi.
- Mar 21, 2015 **Data Analytics Using EViews**, *Faculty Development Program*, Shri Ram College of Commerce (SRCC), University of Delhi, Delhi.
- May 15, 2015 **Communicating Research-Creating Posters & Google for Researchers**, *Workshop for Research Scholars*, Women Development Cell, ILLU, University of Delhi.
- Nov 06, 2015 **Data Analysis Using SPSS**, *Workshop on Research Methodology and Tools*, Indira Gandhi Delhi Technical University for Women, Delhi.
- Nov 18-21, 2015 **Data Analysis Using SPSS & EViews**, *Faculty Development Program on Research Methodology and Data Analysis*, Dyal Singh College, University of Delhi, New Delhi.
- Jan 28-31, 2016 **Data Analysis Using SPSS & EViews**, *National Training Workshop on Research Methodology*, Consortium for Educational Communications-An Inter University Center of University Grants Commission UGC, New Delhi.
- Mar 11, 2016 **Demand Planning and Forecasting Techniques in FMCG Supply Chain**, *Workshop*, Shri Ram College of Commerce (SRCC), University of Delhi, Delhi.
- Mar 12, 2016 **FMCG Retail Supply Chain Dynamics**, *Workshop*, Shri Ram College of Commerce (SRCC), University of Delhi, Delhi.
- May 4-6, 2016 **Data Analysis Using SPSS**, *Faculty Development Program on Research Methodology and Data Analysis Using Excel, SPSS & EViews*, Motilal Nehru College, University of Delhi, New Delhi.
- Nov 16, 2016 **Data Analysis Using SPSS**, *Faculty Development Program on Research Data Analysis Using Excel & SPSS*, Hans Raj College, University of Delhi, New Delhi.

- Dec 6-9, 2016 **Data Analysis Using Excel & SPSS**, *Faculty Development Program on Research Methodology and Data Analysis Using Excel & SPSS*, G. H. S. Govt PG College, Sujangarh, Rajasthan.
- Feb 21, 2017 **Competency of Management Teachers, Beyond the Boundries**, *Faculty Development Program on Changing Paradigm in Education in Digital Age*, Sant Hari Dass College of Higher Education, G.G.S.I.P.U., Delhi.
- Mar 15, 2017 **Insights on Statistics Using SPSS**, *Workshop on Research Methodology and Scientific Writing*, Netaji Subhas Institute of Technology, Delhi.
- Mar 16-19, 2017 **Data Analysis Using SPSS & AMOS**, *Faculty Development Program on Research Methodology and Data Analysis Using SPSS & AMOS*, Satyawati College E, University of Delhi, Delhi.
- Aug 25, 2017 **Introduction to R Environment**, *Two Days Faculty Development Program on Data Analytics Using R Environment Aug 25-26, 2017*, Satyawati College E, University of Delhi, Delhi.
- Dec 5, 2017 **Data Analytics Using SPSS**, *Workshop "Research Methodology and Data Analysis"*, Haryana School of Business, Guru Jambheshwar University, Hisar, Haryana.
- Dec 12, 2017 **Big Data and Analytics in Higher Education**, *Winter School Programme "Sustainable Development: Concerns for Higher Education" Dec 1-21, 2017*, UGC-HRDC, Punjabi University, Patiala.
- Data Analytics Using SPSS**, *Refresher Course "Research Methodology & Data Analysis" Dec 1-21, 2017*, UGC-HRDC, Punjabi University, Patiala.
- Jan 4-5, 2018 **Time Series Analysis and Data Analytics Using SPSS**, *Workshop on "Research Methodology & Data Analysis" (RMDA 2018) on January 1-7, 2018*, Department of Management and Humanities, National Institute of Technology (NIT), Hamirpur, Himachal Pradesh.
- Jun, Jul, Sep, Nov17 & Feb, Sep18, Jan, Sep19 **Electronic Data Processing using Excel & SPSS**, *Training Program on Data Management at H. P. Institute of Public Administration*, Government of Himachal Pradesh, Shimla, Jun 1-2, July 13-14, Sep 13-14, Nov 16-17, 2017 & Feb 15-16, Sep 27-28 2018.
- Mar 7, 2018 **Data Analysis Using SPSS-I & II**, *RUSA sponsored programme on Research Methodology/Data Analytical Techniques March 5-10, 2018*, UGC-HRDC, Guru Jambheshwar University of Science and Technology, Hisar, Haryana.
- Jun 14-15, 2018 **Multiple Regression Analysis Using SPSS**, *TEQIP-III sponsored FDP on "Advance Research Methodology & Modelling Techniques"*, Rajasthan Technical University, Kota.
- Aug 17, 2018 **Analysis of Variance and Covariance Models: A GLM Approach**, *Sri Guru Govind Singh College of Commerce*, University of Delhi, Delhi.
- Sep 14, Nov 30, 2018 **Sensitization on Evaluation of Sustainable Development Goals SDGs**, *Training Program for Govt officers at H. P. Institute of Public Administration*, Government of Himachal Pradesh, Shimla.
- Nov 14, 2018 **SPSS**, *MHRD sponsored workshop on Software packages for Mathematical Sciences Nov 14-19, 2018*, Hansraj College, University of Delhi, New Delhi.

- Nov 22-25, 2018 **Data Analysis Using SPSS and EVIEWS**, *Faculty Development Program on Research Data Analysis Using SPSS & EVIEWS Nov 20-26, 2018*, Lakshmibai College, University of Delhi, New Delhi.
- Jan 11, 2019 **Statistical Techniques Using SPSS**, *ICSSR Sponsored workshop on Research Methodology for Visually Impaired research scholars Jan 9-19, 2019*, Jawahar Lal Nehru University, New Delhi.
- May 21-24, 2019 **Data Analysis Using EXCEL and SPSS**, *Faculty Development Program on Research Methods and Data Analysis Using SPSS & EXCEL May 20-25, 2019*, K. M. Agrawal College (Autonomous), University of Mumbai, Kalyan, Maharashtra.
- Aug 26-28, 2019 **Research Design & Data Analytics Using SPSS**, *Workshop on "Excellence in Pedagogy and Quantitative Research" Aug 26-30, 2019*, Department of Computer Science & Management, BIT Mesra, Ranchi.
- Jan 28 & 31, 2020 **Introduction to SPSS & Structural Equation Modeling with AMOS**, *Workshop on "Research Methods and Data Analysis Using SPSS and AMOS" Jan 27-31, 2020*, Internal Quality Assurance Cell (IQAC), Mahatma Jyotiba Phule Rohilkhand University, Bareilly.
- Dec 21-22, 2020 **Univariate and Bivariate Techniques for data Analysis, Tabulation and Graphic presentation of data**, *National Workshop on Research Methodology and Data Analysis (RMDA 2020) on Dec 19-23, 2020*, National Institute of Technology (NIT), Hamirpur, Himachal Pradesh.
- Dec 24, 2020 **Data Analytics Using SPSS**, *Faculty Induction Programme "Education, Resilience and the Transforming role of Academic: Towards the Idea of Lifelong Learning in the Era of New Normal" Dec 9, 2020-Jan 8, 2021*, UGC-HRDC, BPS Women University, Khanpur Kalan, Sonapat.
- Mar 7, 2021 **Data Analysis Using SPSS**, *ICSSR Sponsored workshop on Research Methodology course (Online) in Social Sciences*, Jawahar Lal Nehru University, New Delhi.
- Apr 8 & 13, 2021 **Sampling Criterion, Analysis and Interpretation of Data**, *FDP on Research to Publications 5-17 April 2021*, MHRFD Centre, Hansraj College, University of Delhi, New Delhi.
- Jun 21 & 22, 2021 **Data handling with SPSS, Sampling Criterion, Analysis and Interpretation of Data**, *FDP on Basics of Research from 18th June to 24th June 2021*, MHRFD Centre, Hansraj College, University of Delhi, New Delhi.
- July 27, 2021 **Sampling: Types and Size**, *ATAL sponsored one-week online FDP on Research Methodology 26-30 July, 2021*, Indira Gandhi Delhi Technical University for Women (IGDTUW), New Delhi.
- Oct 5, 2021 **I-Basics of Excel, II-Data Analysis tools using Excel**, *Short Term Course on 'Advanced Research Methodology using SPSS & MS Excel' 04-09 October, 2021*, UGC-HRDC Doctor Harisingh Gour Vishwavidyalaya, Sagar, Madhya Pradesh.
- Dec 18, 2021 **R theory and Online Practice**, *Capacity Building Program on Research Data Analysis and visualization 14-27 Dec 21*, Doctor Harisingh Gour Vishwavidyalaya, Sagar, Madhya Pradesh.
- Jan 5, 2022 **Data Analysis Using SPSS**, *FDP, AICTE Training and Learning (ATAL) Academy*, Allahabad.



- Jan 20, 2022 **Systematic approach to Data Analysis Tools and Techniques for Managerial Applications**, *19th Online 2-Week Refresher Course in Commerce & Management Studies from 10th to 22nd January, 2022*, Jamia Milia Islamia University, Delhi.
- Mar 23, 2022 **Systematic approach to Data Analysis Tools and Techniques for Managerial Applications**, *Webinar*, Atal Bihari Vajpayee School of Management and Entrepreneurship Jawahar Lal Nehru (JNU), Delhi.
- Mar 24-25, 2022 **Learning Excel from Basics**, Department of Mathematics, Keshav Mahavidyalaya, University of Delhi, Delhi.
- June 3, 2022 **Hands on Session on SPSS data handling & Sampling**, *UGC sponsored Online Faculty Induction Programme-6*, organized by HRDC, Guru Jambheshwar University of Science & Technology, Hisar May 15 - Jun 16 2022.
- Jul 1-2, 2022 **Hypothesis testing techniques on SPSS & Advanced data analysis**, *International Workshop on Applied Research Methodology (27 June 3 July 2022)*, organized by Department of Humanities & Social Sciences, Motilal Nehru National Institute of Technology, Allahabad.
- Aug 5-6, 2022 **Testing the Structural Model using SEM ,Mediation & Moderation analysis**, *Workshop on Research Methodology and Data Analysis August 1-7, 2022*, organized by University Inst. of Applied Management Sciences, South Campus Punjab University, Chandigarh.
- May 4, 2023 **Structural Equation Modelling: Moderation and Mediation Analysis using Smart PLS**, *Faculty Development Program* , organized by Sri Guru Gobind Singh College of Commerce, University of Delhi, Delhi.
- May 16-17, 2023 **Structural Equation Modeling**, *Faculty Development Program May 16-17, 2023*, organized by Center of Management Studies, Jamia Milia Islamia, A Central University, Delhi.
- June 23, 2023 **Biostatistical tools for data analysis**, *Faculty Development Program*, organized by One-Week National Faculty Development Program organized by University of Delhi (Department of Zoology) in collaboration with Shaheed Rajguru College of Applied Sciences for Women and Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi , Delhi.
- Orientation Programmes **Ms-Office applications, Statistical applications with Ms-Excel & SPSS**, Academic Staff College, CPDHE, University of Delhi.  
OR-42 (March, 2004), OR-43 (April-May, 2004), OR-52 (Dec-Jan, 2007), OR-53 (May, 2007), OR-54 (July, 2007), OR -58 (July, 2007), OR-59 (Feb-March, 2009), OR-60 (June-July, 2009), OR-61 (Oct, 2009), OR-66 (Mar, 2011), OR-70 (June, 2012), OR-73 (Feb-Mar, 2013), OR-76 (June, 2014), OR-77 (June, 2014), OR-81 (June, 2015)
- Refresher Courses .  
Computer Applications (Sep 2008), Life Sciences (Jan, 2009), Mathematical Sciences (Jan, 2009), Environmental Studies (Feb-Mar, 2009), History (Feb-March, 2009), English (March, 2009), Physical Education (July, 2009), Commerce (Oct, 2009), Women studies (Oct, 2009), Physical Education (Jan, 2011), Library Sciences (July, 2012), Women studies (Oct, 2012), Social work (Oct, 2012), Commerce (Nov, 2012), Sanskrit (July, 2014)

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## Administrative Experiences

- 2010-11 Governing Body Member, Satyawati College (University of Delhi)
- 2018-21 Coordinator, Internal Quality Assurance Cell (IQAC) Satyawati College, University of Delhi
- 2018-20 Member, Admission Committee, Satyawati College Eve., University of Delhi
- 2020-21 Bursar, Satyawati College Eve., University of Delhi
- 2020-21 Convener, Time-table Committee, Satyawati College Eve., University of Delhi
- 2021-22 Member, Result evaluation committee and Grievance Committee UG & PG admission Delhi University Sports Council
- 2021-22 Public Information Officer (PIO) Satyawati College Eve., University of Delhi
- 2022-23 Nodal Officer of Vidyanjali Higher Education Volunteer Programme, Ministry of Education, Government of India
- 2022-23 Member, Value Addition Courses (VAC) Under National Education Policy (NEP)2020, University of Delhi
- 2022-23 Course Coordinator, Value Addition Courses (VAC)-VEDIC MATHEMATICS, University of Delhi
- 2022-23 Coordinator, SWAYAM Online Evaluation Courses (Translation) Committee, Sponsored from Ministry of Education, Government of India
- 2023-24 Coordinator, ICT, Satyawati College Eve., University of Delhi
- 2023-24 Coordinator, Academic Matters and National Education Policy (NEP)2020, Satyawati College Eve., University of Delhi

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## Other Academic Experience

- Member **Departmental Research Committee (DRC)**, *CII School of Logistics*, Amity University, Noida.
- Member **Board of Studies (BOS)**, *Faculty of Commerce and Management*, SGT University, Gurugram.
- Member **Editorial Board**, **International Journal of Digital Transformation**, ISSN: 2754-0774, INDERSCIENCE.
- Member **Editorial Board**, **Journal of Business Thought (JBT)**, ISSN: 2231-1734, **Indexed in UGC Care, ABDC** Sri Guru Govind Singh College of Commerce, University of Delhi.
- Academic Editor **PLOS ONE**, ISSN: 1932-6203, Indexed in **Scopus, SCIE**, USA.
- Academic Editor **Journal of Probability and Statistics**, ISSN: 1687-952X, Hindawi Limited, London, United Kingdom.
- Guest Editor **Special Issue on: "Forensic Data Analytics and Risk Management"**, *International Journal of Forensic Engineering and Management*, INDERSCIENCE.

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## Awards

- 2013 Post-doctoral fellowship, **University of Minnesota**, Minneapolis MN (USA)
- 2012 Associate, **Indian Institute of Advanced Study IIAS**, Shimla-Ist Spell (Sep, 12),  
IInd Spell (Sep, 14)
- 1998 NET (Mathematical Sciences), **Council of Scientific Industrial Research CSIR**,  
Delhi

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## Computer skills

- Basic SAS Enterprise, STATA
- Intermediate R,PYTHON,Base SAS, HTML, LaTeX, Microsoft Office
- Advanced Ms-Excel, SPSS, AMOS, SmartPLS, EViews, MINITAB, MENDLEY