Dr. SACHIN GUPTA

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Qualification

PhD (Supply Chain Management) – School of Management Studies, IGNOU, India, Year – 2022; MPhil (Operational Research- Inventory Management),89%, Year – 2010; MSc (Applied Operational Research), 76%, Year – 2007; BSc (Mathematical Sciences) from University of Delhi, 69%, Year –2005; UGC NET (Management) –2013; UGC NET (Statistics) – 2026, 97.23 percentile

Area of Strength

Multivariate Data Analysis, Advanced Statistical Modelling, Predictive Analytics, Data Science, Mathematical Modeling, Quantitative techniques, Operations Research, Operations and Supply Chain Management.

Technical Qualifications

SPSS, PYTHON, STATA, EVIEWS, MATLAB, MAPPLE, AMOS, MS EXCEL, MS PROJECT, CPLEX, LINGO, TORA

Working Experience- 18 years, currently working as Faculty Member at Faculty of Management, South Asian University- July 2026. Previously as Dean Research at VIPS-TC (VIPS-TC Tenure-13 years).

Accomplishments

- *Number of Research Publication and Presentations – 50+, Many in ABDC, Scopus, Web of Science, SCIE/ESCI indexed.*
- *Served Guest Faculty in Institute of Repute in India (BITS-Pilani, NMIMS, NIFM)*
  Courses: Predictive Analytics, Foundation of Data Science, Advance Statistical Modelling, Quantitative Methods, Decision Science
- *Adjudged as Best Faculty in Vivekananda Institute of Professional Studies for distinguish service as a teacher in the academic year 2017-18 and Certificate of recognition as Researcher in year 2023-24 and in year 2024-2025.*
- *National Television: Live Session on DD Gyan-Darshan on Research Methods, Aug 2019*
- *National Radio: Live Session on FM radio Frequency 105.6, Gyan-wani on Mitigation of Bullwhip Effect in SCM, March 2019*
- *Resource Person to Conduct Faculty Development Programs on Research Methods, Guest Lecture in Various Institute of Repute.*

Dr. Sachin Gupta

Research and Publications, h index – 7, Detailed List

1. Narula, I. Gupta, S. (2026). Exploring the Role of Governance Functioning as Determinants of Carbon Emission in Middle-Income Economies. SN Business and Economics. Under Review Process. (Scopus Indexed)
2. Joshi, S. Gupta, S. Kansil, R. (2026). Technological Progress and Unemployment in India: Evidence on Total Factor Productivity and FDI Inflows from an ARDL Bounds-Testing Approach. Indian Journal of Economics and Development. Under Review Process. (Scopus Indexed)
3. Joshi, S. Gupta, S. Kansil, R. (2026). The Impact of Climate Change on Productivity in India: Explorations with ARFIMA model. The Indian Journal of Labour Economics. https://doi.org/10.1007/s41027-026-00621-4. (Scopus Indexed)
4. Rahi, B. Mishra, S.K. Gupta, S. Krishan, R. (2025). Exploring ChatGPT Adoption Among Teacher Educators in Higher Education: An Extended UTAUT2 Approach. Lecture Notes on Data Engineering and Communications Technologies, vol 262. Springer, Cham. https://doi.org/10.1007/978-3-031-98476-1_5. (Scopus Indexed)
5. Rahi, B. Mishra, S.K. Gupta, S. Krishan, R. (2025). Bridging the Gap: AI Awareness and Attitude Among Indian Print Media Journalists. Communicator, LX (4): 27-34, Oct – Dec. (UGC care list Indexed Journal).
6. Nagpal, G. Nagpal, A. Das, M. Gupta, S., Singh, S. and Inani, S.K. (2025), "Market basket analysis and product bundling at Mirra's Kitchen", Vol. 15 No. 2. https://doi.org/10.1108/EEMCS-08-2024-0343 (Scopus Indexed).
7. N. Goel, S. Gupta and P. Thakar, "Statistical Analysis on the Performance of Students in a University System in India, *2024 First International Conference on Data, Computation and Communication (ICDCC)*, Sehore, India, 2024, pp. 172-178, doi: 10.1109/ICDCC62744.2024.10961026. (Scopus Indexed, IEEE)
8. B. Rahi, S. K. Mishra, S. Gupta and R. Krishan, "The Role of Artificial Intelligence in Indian Print Media Organizations: Journalists' Perspective," *2024 First International Conference on Data, Computation and Communication (ICDCC)*, Sehore, India, 2024, pp. 166-171, doi: 10.1109/ICDCC62744.2024.10961311. (Scopus Indexed, IEEE)
9. Gupta, S. et al (2024). The Analysis of Performance Due to Impact of Bullwhip Effect in Covid: Select Indian Sector Perspective. Journal of Global Operations and Strategic Sourcing. DOI 10.1108/JGOSS-06-2023-0062 (Scopus, ESCI, ABDC, impact factor -5.5)
10. Thakkar, P. Goel, N, Gupta, S. (2024) Enhancing Agricultural Decision Support with AIoT: A Research Travelogue, Empirical Economics Letters, 23, https://doi.org/10.5281/zenodo.11427882 (ABDC, Impact Factor -0.91)
11. Goel, N, Thakkar, P. Gupta, S. (2024) A Comparative Analysis of Task Scheduling Algorithms for Resource Management in Cloud Environments, Empirical Economics Letters, 23, https://doi.org/10.5281/zenodo.11456149, (ABDC, Impact Factor -0.91)
12. Lamba, A., Aggarwal, P., Gupta, S. and Joshipura, M. (2023), "What determines the performance of pharmaceutical firms in India on account of COVID-19 interventions?" International Journal of Pharmaceutical and Healthcare Marketing, https://doi.org/10.1108/IJPHM-05-2023-0039. (ABDC, Scopus, ESCI, Impact Factor –2.9)
13. Gupta, S. Saxena, A. (2023). An Empirical Investigation on Mitigation of Bullwhip Effect: Practices Perspective. International Journal of Public Sector Performance Management, vol-11, issue-4, 401-434, https://doi.org/10.1504/IJPSPM.2023.131340 (Scopus, impact factor – 1)
14. Agarwal, D.K. Gupta, S. (2022). A new theoretical framework of shopping motives and channel preference behavior in the digital era. International Journal of Consumer Studies, vol 47, issue 1, 400-418. https://doi.org/10.1111/ijcs.12818 (Scopus, SCI, Impact Factor – 10.3)
15. Nagpal, G. Gupta, S. (2022). Multi-period EOQ Model for multi-generation technology products with short product life cycle. *International Journal of e- Adoption, vol 14, issue 1, 1-22,* https://doi.org/10.4018/IJEA.306241. *ISSN: 1937-9633,* (Scopus, ESCI, Impact Factor - 1)
16. Nagpal, G. Gupta, S. (2022). Does Cross-Functional Pedagogy of Teaching a Course Help in

Management Education? Evidence from a Supply Chain Management Course. *International Journal of Adult Education and Technology, vol 13, issue 1, 1-18, DOI: 10.4018/IJAET.314631 (WoS-ESCI, Imapct Factor -0.3)*

17. Gupta, S. Saxena, A. (2020). Operations Based Classification of Bullwhip Effect. Journal of modeling in management. Vol. 17 No. 1, pp. 134-153 https://doi.org/10.1108/JM2-01-2020-0029.(Scopus, ESCI, ABDC, impact factor - 4.9)

18. Gupta, S. Saxena, A. (2020). Predicting the Impact of Operational and Financial Variables on Bullwhip Effect Using Threshold Regression: Indian Context. Journal of Global Operations and Strategic Sourcing, 13(2), 211-227. https://doi.org/10.1108/JGOSS-05-2019-0040 (Scopus, ESCI, ABDC, impact factor -5.5)

19. Goel, S., Mohammad, T., Saxena, A., & Gupta, S. (2020). Countering Bullwhip Effect in Supply Chain Management: A Literature Review. *Journal of Supply Chain Management System, 9(1), 14-30*

20. Gupta, S. Saxena, A. (2020). The Insights on Marketing Initiatives Impacting the Bullwhip Effect: Sectoral Study. *International Journal of Business and Applied Sciences, 9(1),* 22-30. (EBSCO)

21. Saxena, A. Saxena, A. & Gupta, S. (2020). Factors Affecting the Effective Implementation of MOOCs in India. Global Journal of Enterprise Information System, Volume-12, Issue-4, Oct-Dec 2020. https://doi.org/10.18311/gjeis/2020

22. Sharma, H. Madan, S. Joshi, N & Gupta, S. (2018). Optimizing Next Release of Software: A Quality Perspective. International Journal of Pure and Applied Mathematics. Volume 120, No. 6, 25-37. ISSN: 1314-3395.

23. Gupta, S. Saxena, A. (2019). Factors Affecting Bullwhip Effect: Indian Sectoral Study. *Journal of Supply Chain Management System, 8(3),* 1-12. (ProQuest, Impact factor- 7)

24. Gupta, S. Saxena, A. (2019). Classification of Operational and Financial Variables Affecting the Bullwhip Effect in Indian Sectors: A Machine Learning Approach. *Recent Patents on Computer Science, 12(3),* 171-179. DOI: 10.2174/2213275911666181012121059 (Scopus, Impact Factor- 1.3)

25. Gupta, S. Saxena, A. (2019). Interpretive structural modelling of critical operational factors for mitigation of bullwhip effect in supply chain management. *International Journal of Comparative Management, 2(3/4),* 297-328. https://doi.org/10.1504/IJCM.2019.105979 (Norwegian Registered)

26. Gupta, S. Saxena, A. (2019). A Study of Change in Bullwhip Effect: An Indian Sectoral Study. *Journal of Supply Chain Management System, 8(2),* 24-31.

27. Bakshi, R. Gupta, S. (2014), "*Human Factors Influence Technical Adaptability of Users belonging to different age groups"*, International Journal of Advanced Information Science and Technology, volume 32, number 32, page 42-48, ISSN 2319-2682

28. Gupta S. (2014), "*Mergers and Acquisitions for enhancing supply chain competitiveness*", Journal of Marketing and Operations Management Research, Volume 2, Issue 3, ISSN: 1949-4912

29. Kumar, S. Gupta S. (2014), "*Optimal Software Release Time Policy Using Goal Programming*", International Journal of Computer Applications, Volume 102/Number 9 ISBN: 973-93-80883-85-7

30. Bakshi, R. Gupta, S. (2014), "*Empirical evaluation of human factors that affect design of product*", International Journal of Computer Applications, Volume 79, number 9, page 15-21, ISSN 0975-8887.

31. Bakshi, R. Gupta, S. (2014), "*A literature review of designing, modality and psychological perspective in human computer interaction*", International Journal of Engineering and Science Invention, volume 3, issue 5, ISSN 2319 – 6734.

32. Mittal, R. Gupta, S., and Pareek, S. (2013), "*Pressures, Practices & Performance of Green Supply Chain (A Study in Indian perspective)*", Interdisciplinary Journal of Contemporary Research in Business, Vol. 5, No. 5, ISSN 2073 7122

33. Mittal, R. Gupta, S., and Pareek, S. (2013), *"Greening the Supply Chain with Reworked Items"*, International Journal of Advancement in Research and Technology, vol. 2, Issue No. 8, ISSN 2278-7763

34. Mittal, R. Gupta, S., and Pareek, S. (2013), *"A note on life cycle analysis of electronic products for exponential demand with negative slope"*, International Journal of Scientific and Engineering Research, vol. 4,

Issue No. 8, ISSN 2229-5518.

35. Kumar, S. and Gupta, S. (2012), *"Time Dependent Error Detection Rate: Software Reliability Growth Models V/S Statistical Techniques"*, International Journal of Research in Commerce, IT and Management, Vol. 2, Issue No. 7, ISSN 2231-5756

36. Gupta, S. and Gupta, A. K. (2012), "*Mergers and Acquisition: Strategy to Deal with Dynamic Behavior of Supply Chain Management",* Zenith International Journal of Business Economics and Management Research, October 2012. ISSN No: 2249-8826.

37. Gupta, S. and Mishra, P. (2012), *"Information Technology: Tool to Mitigate Bullwhip Effect in Management",* International Journal of Management and Information Technology. Vol. 1, No. 3, *ISSN no: 2278-5612.*

38. Gupta, S. (2012), *"Demand Estimation under Push Marketing Strategy: Tool to Mitigate Bullwhip Effect"*, International Journal of Research in Commerce and Management, Vol No. 3, Issue no. 3, 93-98, I*SSN no: 0976-2183*

39. Gupta, S. *(2012), "Retailers Optimal Order Quantity in Case of Deterministic Demand in Supply Chain Management to Reduce the Impact of Bullwhip Effect",* Journal for Practicing Managers, Vol. 2, No 01, 36-42, ISSN 2230-7419.

40. Gupta, S. (2012), "*Retailers EOQ for Finite Horizon to Reduce the Impact of Bullwhip effect",* Zenith International Journal of Business Economics and Management Research, Vol.2 Issue 3, 151-164, ISSN 2249 8826.

Book Chapter

1. Joshi, S. Gupta, S (2024). Does financing from financial institutions affect the productivity of small enterprises? An examination using spline regression. Reference module in Social Sciences. http://doi.org/10.1016/B978-0-44-313776-1.00257-9 (Scopus, Elsevier- Science direct)
2. Joshi, S. Gupta, S. Kaistha, C. (2024). Renewable energy consumption and CO2 emission; do political systems matter? Arguments and evidence for emerging economies from Asia and SSA. Reference Collection in Social Sciences. http://doi.org/10.1016/B978-0-44-313776-1.00285-3 (Scopus, Elsevier – Science Direct)
3. Anand, R. Gupta, S. (2018), "*Audio watermarking with reduced number of random sample*", Handbook of Research on Network Forensics and Analysis Techniques, 20,372-394. ISSN 1948-9730. DOI: 10.4018/978-1-5225-4100-4.ch020

Book Publications

1. Sakshi Goel, Sachin Gupta; Basics of Quantitative Techniques, Apple Books, ISBN: 978-93-83996-72-8, 2015
2. Dr. Neetu Goel, Dr. Sachin Gupta, Dr. Pooja Thakar; Basics of Python Programming, Arihant Publications, ISBN: 978-93-93-93525-07-9, 2022
3. Gupta, S. (2020). *Exploring bullwhip effect in supply chain management: A study of select Indian sectors* (Order No. 31847324). (3191906893). ISBN 979-83-10352-18-6. Retrieved from https://www.proquest.com/dissertations-theses/exploring-bullwhip-effect-supply-chain management/docview/3191906893/se-2.
4. Jain, A. Gupta, S. (2025). Proceedings of the International Conference on Policies, Processes and Practices for Transforming Underdeveloped Economies into Developed Economies (PPP-UD 2025). Advances in Economics, Business and Management Research. Atlantic Press. ISSN 2352-5428. ISBN 978-94-6463-894-3 (eBook)
5. Sharma, R.K., Gupta, S. Rahi, B. (2026). Sardar Patel – An Academic Overview of the Iron Man's Legacy. HP Hamilton. (Edited Book). ISBN – 978-1-913936-49-5.

Conference Presentation

1. Joshi, S. Gupta, S. (2026). Technological Progress and Unemployment in India: Disentangling the Effects of FDI Inflows and Total Factor Productivity Using ARDL Estimation. 66th The Indian Society of Labour Economics, January, Symbiosis Institute of Business Management (SIBM).
2. Sharma, D. Gupta, S. Nagpal, G. (2025). A Spatiotemporal Machine Learning Approach to Measure the impact of Traffic density on Air Pollution. 4th International symposium on smart cities, technologies and trends (SCCTT – 2025), Maharaja Agrasen Institute of Technology, Delhi, India.
3. Mittal, K. Gupta, S., Gupta, S. K, (2025). *Arattai: Building a Home-Grown Challenger in the Global Messaging Market*5th International Case Study Conference on Case Pedagogy@2050: Challenges and Opportunities, November, IBS, ICFAI, Hyderabad.
4. Mishra, S. Gupta, S. Nagpal, G. and Gupta, N. (2025). Measuring the Impact of Inventory and Marketing on Production Smoothening in a Utility Sector: A Panel Data Approach. Proceedings of the International Conference on Policies, Processes and Practices for Transforming Underdeveloped Economies into Developed Economies (PPP-UD 2025). Advances in Economics, Business and Management Research. Atlantic Press. ISSN 2352-5428. ISBN 978-94-6463-894-3 (eBook). https://doi.org/10.2991/978-94-6463-894-3_2
5. Joshi, S. Gupta, S. and Kaistha, C. (2025). Assessing the Relative Importance of the Drivers of CO2 Emissions in the Selected Emerging Economies Using Machine Learning Approach. Advances in Economics, Business and Management Research. Atlantic Press. ISSN 2352-5428. ISBN 978-94-6463-894-3 (eBook). https://doi.org/10.2991/978-94-6463-894-3_18
6. Garg, A. Gupta, S. Kumar, S. and Bhuyan, A. (2025). Impact of Inventory on Production Smoothening in FMCG Supply Chain. Advances in Economics, Business and Management Research. Atlantic Press. ISSN 2352-5428. ISBN 978-94-6463-894-3 (eBook). https://doi.org/10.2991/978-94-6463-894-3_11
7. B. Rahi, S. K. Mishra, S. Gupta and R. Krishan (2025). Exploring ChatGPT Adoption Among Teacher Educators in Higher Education: An Extended UTAUT2 Approach, 2nd International Symposium on Generative AI and Education, May 15 to 16, 2025, Faculty of Philosophy and Arts, Malaga, Spain. https://doi.org/10.1007/978-3-031-98476-1_5.
8. Joshi, S. Gupta, S. (2025). The impact of Climate Change on labour productivity in India: Explorations with AFRIMA model. 65th The Indian Society of Labour Economics, January, Bengaluru.
9. Joshi, S. Gupta, S. (2024). Relative Importance of the Determinants of CO2 Emissions in the Selected Emerging Economies, Paper presented in IASSI 63rd Conference held at BIT, Mesra, Ranchi on 25th October,2024
10. Joshi, S. Gupta, S. (2024). The determinants of health: what should we care about? 28th Indian Political Economy Association Conference, Department of Social Sciences, IIT Roorkee, December 2024
11. Rahi, B. Sharma, S. Gupta, S. (2024). The role of Artificial Intelligence in Indian Print Media Organizations: Journalist's Perspective. ICDCC 2024, IEEE Explore, Scopus Indexed. DOI: 10.1109/ICDCC62744.2024.10961311
12. Goel, N. Gupta, S. Thakar, P. (2024). Statistical Analysis on the Performance of Students in a University System in India. ICDCC 2024, IEEE Explore, Scopus Indexed. DOI: 10.1109/ICDCC62744.2024.10961026
13. Gupta, S. Saxena, A. (2020). An Empirical Investigation on Mitigation of Bullwhip Effect: Practices Perspective. *International conference on sustainable, governance and responsibility*, VIPS, Delhi.
14. Gupta, S. Saxena, A. (2020). Operations based classification of bullwhip effect. *VINC–ICSGR 2020, International conference*, Vivekananda Institute of Professional Studies. (Winner of Best Paper Award for the session)
15. Gupta, S. Saxena, A. (2019). Factors Affecting Bullwhip Effect: Indian Sectoral Study. Delhi School of Management, Delhi Technological University.
16. Gupta, S. Saxena, A. (2018). Which sector is more prone to bullwhip effect? Glogift'18, International conference held at IIM Lucknow.
17. Chandra, A. Gupta, S. (2014), "Small pockets- Big Target: Capturing children segment: A new mantra

for widened market share", paper presented at 3rd Annual Commerce Convention held at Department of Commerce, Delhi School of Economics, University of Delhi

18. Chandra, A. Gupta, S. (2014), "Sachet marketing: combating competition and reaching bottom of pyramid- A study of Delhi/ NCR area", paper presented at National Conference VINC'14 held at Vivekananda Institute of Professional Studies.

19. Vaid, J. and Gupta, S. (2011), "Marketing Strategies for Effective Implementation of Supply Chain Management for Bottom of Pyramid", Lingaya's Lalita Devi Journal of Professional Studies, Vol. 1, No 01, 308-324, ISSN no: 2230- 987X.Paper presented at National Conference organized at Lingaya's Lalita Devi Institute of Management and Sciences.

20. Kumar, S. and Gupta, S. (2011), "Effective Implementation of Supply Chain Management using Management Information System", "Managing Business Development in Globalized world: strategies for excellence". ISBN no: 978-817- 446-927-4. Paper presented at 4th National Conference organized by Prestige Institute of Management, Dewas, M.P.

21. Gupta, S. and Goel, S. (2011),"Retailers Optimal Order Quantity Decision Under the Impact of Push Marketing Strategies to Reduce the Impact of Bullwhip Effect", Business Competitiveness in the 21st Century: Emerging challenges in a changing global business environment. ISBN no: 978-935-059-034-8. Publisher: McMillan. Paper presented in International Conference ICEMAC.

22. Gupta, R.K. and Gupta, S. (2010), "A study of Bullwhip effect in Retail Trade – A case of Delhi Region", 4th International Conference: Strategies for Management held at Bharti Vidhyapith University, New Delhi.

Patent

Narula, I. Lamba, A. Gupta, S (2024). Business Finance Management Device. Design Number 433488-001 on 10 oct 2024s

References

1. Prof Seema Joshi, KMC, University of Delhi, +91-9717133077, seemajoshi143@gmail.com
2. Prof. Manju Khari, JNU, +91-9899296110, manjukhari@jnu.ac.in
3. Prof Gaurav Nagpal, BITS Pilani, +91-9716299635 , gaurav.nagpal@pilani.bits-pilani.ac.in

Details of courses taken at BITS -Pilani (WILP) and NMIMS (NGA-SCE)

1	May 26 – Sep 26	Business Statistics (AMNS Batch)
2	April 26 – Sep 26	Multivariate Statistics (General Batch)
3	Jan 26 – May 26	Advance Statistical Method for BITS Pilani (General Batch)
4	Nov 25 – March26	Advance Statistical Method for BITS Pilani (JSW Batch)
5	June 25 – Nov 25	Advance Statistical Method for BITS Pilani (General Batch)
6	June 25 – Nov 25	Predictive Analytics for BITS Pilani (General Batch)
7	May 25 – Oct 25	Quantitative Methods for BITS Pilani (General Batch) (2 sections)
8	Jan 25 – May 25	Advance Statistical Methods- BITS Pilani (General Batch)
9	May –Sep 24	Quantitative Methods for BITS Pilani (AMNS Batch)
10	Jan – May 24	Quantitative Methods for BITS Pilani (General Batch)
11	Feb – May 24	Quantitative Methods for BITS Pilani (Maruti Suzuki Batch)
12	July – Dec-23	Quantitative Methods for BITS Pilani (Wipro Batch)
13	May-Oct - 23	Quantitative Methods for BITS Pilani (AMNS Batch)
14	Dec – May 23	Quantitative Methods for BITS Pilani (General Batch)
15	Nov – April 23	Predictive Analytics for BITS Pilani (Citius Batch)
16	Nov - April 23	Predictive Analytics for BITS Pilani (KPMG Batch)
17	July –Dec 22	Foundation of Data Science for BITS Pilani (PGBA Batch)
18	July- Dec 22	Advance Statistical Methods for BITS Pilani (PGBA Batch)
19	July –Dec 22	Foundation of Data Science for BITS Pilani (Citius Batch)
20	May –Sept 22	Quantitative Methods for BITS Pilani (General Batch)
21	May –Sept 22	Advance Statistical Methods for BITS Pilani (HZL Batch)
22	Nov – April 22	Advance Statistical Methods for BITS Pilani (Hindustan ZincBatch)
23	Jan- April 21	Quantitative Methods for BITS Pilani (Hindustan Zinc Batch)
24	Feb- May 20	NMIMS: Decision Science
25	Jan-July 20	NMIMS: Business Statistics, Decision Science

Details of FDP and Guest Lectures conducted.

1	Feb 2026	2 weeks Workshop on Multivariate Data Analysis using Python at Vivekananda Institute of Professional Studies – Technical Campus.
2	April 2025	Sessions on Research Methodology for Dharmashastra National Law University, Jabalpur
3	Jan 2025	FDP session on Business Research Methodology at Janaki Devi Memorial College, University of Delhi
4	Dec 2023	Value Added Program for BA ECO (H) on "Data Analysis Using Advance Excel", Duration – 30 Hrs. at VIPS-TC
5	Dec 2023	Sessions on Research Methodology for Dharmashastra National Law University, Jabalpur
6	Aug 2023	One-week workshop on "Data Analysis Using Excel" for VIPS-TC
7	Sep 2021	Session on Research Methodology for National Law University, Jodhpur
8	July 2020	One-week workshop on "Ocean of Regression Analysis" for VIPS-TC
9	May 2019	Sessions on Research Methods at NIFM, Faridabad for central government administrative officer.
10	May 2019	Faculty Development program on Business Analytics at PMCC, GGSIPU affiliated institute, Delhi
11	June 2018	Session on Data Analysis in FDP at MAIMS, Delhi.
12	April 2018	Session at NIFM, Faridabad on Statistical Hypothesis Testing
13	May 2017	One-week FDP on Research and Consultancy for Teaching and Professional Development at PMCC, GGSIPU affiliated institute
14	Dec 2016	A workshop on Research Methodology and Data Analysis using SPSS at LLDIMS, GGSIPU affiliated Institute

Certification Courses

Sept 21	Two-week Course on "Applications of Statistical Techniques in Real World" with Grade A, University of Delhi
Aug 2019	Certificate course on Business Analytics and Data Mining Modelling Using R, NPTEL-AICTE
Dec 2018	One week faculty development program on Panel Data Regression at VIPS, Delhi.
July 2018	One week faculty development program on Machine Learning at MERI, GGSIPU, Delhi
July 2017	One week faculty development program on Soft computing techniques at NSIT, Dwarka, Delhi.
Dec 2014	One week Faculty development Program on Quantitative Aptitude at Zenith.
Mar 2013	National conference on cyber security – Issues and challenges at IITM, GGSIPU, Delhi
June 2011	Three weeks Faculty Development Program at *Maharaja Institute of Management Studies, GGSIPU, Delhi*
July 2011	Faculty development program on *"Financial Econometrics using Eviews"* at *Delhi Institute of Advance Studies, GGSIPU, Delhi*
Dec 2008	Workshop at *Lingaya's Lalita Devi Institute of Management and Sciences* on *"Research Methodology"*.
Mar 2009	Seminar at *BLS Institute of Management* on "HR-Reload".
July 2009	Faculty Development Program at *Lingaya's University*, Faridabad. Oxford Software Institute: *Certified Programmer (2002), Certified Network Analyst (2003)*