Faculty Details

Title	Dr	First Name	**Rakesh**	Last Name	**Shahani**	Photograph
Designation	Associate Professor					
Address	OFF : Main Wazirabad Road, Opp. Gokalpuri Metro Station, Delhi-110094 RES : C-2-D / 9-C, JANAKPURI, NEW DELHI-110058					
Phone No/ Office No.	8800580579					
Email/ Web-Page	rakesh.shahani@bramb.du.ac.in, rakesh.shahani@gmail.com					

Educational Qualifications

Degree	Institution	Year
Ph.D	University of Delhi	2002-06
M.phil	University of Delhi	1991-95
MBE	University of Delhi	1988-90
B.Com (H)	University of Delhi	1986-88

Career Profile

Designation	**Institution**	**Period (Duration)**
Associate Professor *(Business Economics)*	Dr. Bhim Rao Ambedkar College (Univ. of Delhi)	2008-till date
Reader/Lecturer	Dr. Bhim Rao Ambedkar College(Univ. of Delhi)	1996 onwards
Lecturer	Ramjas & PGDAV Colleges	1995-1996
Visiting Faculty	Department of Bus. Economics (MBE) (University of Delhi)	1998-2010 *(12 years, Odd semester)*
Consulting Faculty	London School of Economics (Gurgaon Chapter)	2007-2009
Consulting Faculty	National Stock Exchange *(Capital Markets Professional Programme)*	2009-2011

Administrative Assignments

Administrative Assignments at College Level

1. Member , Research and Ethics Committee, 2024-25
2. Teacher Representative (2024-25) College Governing Body
3. Teacher Incharge (Business Economics): Academic Session 2022-23, Also five times in past by

rotation. Member , Research and Ethics Committee, 2024-25

4. Convener, Placement Committee 2013-16
5. Member, Academic Development Society for Students, 2015-23
6. Member, Seminar Conference Committee, 2015-21.
7. Member, Other Committees like Prospectus Committee, Canteen Committee, Library Committee etc. in the past

Examination and Evaluation Duties

8. All Invigilation duties as assigned by the college
9. Paper Setter (Convener and Examiner) for a no. of papers as required by University of Delhi

Areas of Interest / Specialization

Finance , Econometrics, Analytics

Subjects Taught

Academic Papers **:**

1. Financial Markets & Services
2. Indian Financial System & Markets
3. Security Analysis & Port. Management
4. Investment Management
5. International Finance
6. Derivatives and Risk Management
6. Corporate Valuation
7. Quantitative Techniques for Management
8. Behavioral Finance

Skill Based Papers

1. IT Skills and Analysis-I & II
2. Financial Modelling with Excel
3. Database and Statistical Packages (SPSS/EVIEWS/Excel)
4. Research Methodology
5. Data Science (with Machine Learning)
6. Big Data Analysis (with Python /Anaconda environment)

Research Papers

1. Basic & Applied Econometrics
2. Advanced Econometrics

Research Guidance

PhD Guidance

One student enrolled as a PhD Scholar (Dept. Commerce, Univ. of Delhi) under my supervision (thesis submitted)

PG Guidance

Post Graduate Guidance (MBE Students, DU): Guided IVth Semester Projects of MBE Students for three years 2009-11.

UG Guidance

Guided Projects/Dissertations of Undergraduate Students (BBE) 2012-13 to 2024-25 (13 years) & further guidance in progress Total No. of Students Guided (all twelve years): approximately 150. Apart from guiding these projects, these undergraduate projects/dissertations were later modified as paper presentations & were presented at different national/international conferences. Some were published in Journals/Conference Proceedings.

Publications Profile

Publications: (Research Papers in Journals) Authored/Co-Authored*)

Google Scholar: ***No. of Papers listed :> 100, Citations : 145, h-index 6, i-10 index 3, link*** **https://scholar.google.com/citations?user=ZVNxPjMAAAAJ&hl=en**

Research Gate: ***No. of Papers Listed 38, Citations : 65***

https://www.researchgate.net/profile/Rakesh-Shahani/publications

Orchid ID : ***https://orcid.org/0000-0003-4916-2740***

Publications in Journals during the last few years (2020-2025)

2025

Has Indian Capital Market Dynamics undergone a structural change during the recent past: An empirical investigation using break period analysis, *NIFM Journal of Public Financial Management, Vol XVII, ISSN No. 2347-1549* ***(Coauthored with Nidhi Vashisht and Sanskriti Thakur)***

Unveiling a Dynamic relation between Transport Emissions and Ecological Footprint in growth oriented Asian Economies, *Review of Professional Management,* **SAGE , Journal in UGC Care List** https://doi.org/10.1177/09728686251384368 *online first* ***(Co-authored with Kartikay Ahluwalia)***

2024

- Is Environment Degradation a Pre-condition to Economic Growth? A Case of

India and China, *VISION: A Journal of Business Perspective* *https://doi.org/10.1177/09722629211034090* Vol. 28(1), ISSN: 0972-2629, SAGE publications, **SCOPUS INDEXED** ***(Coauthored with Nitin Khaneja)***

- Dynamic Interaction Between Food and Fuel Markets in India: Has India Joined the Global Race? Online first, Green and Low Carbon Economy, ISSN 2972-3787 Bon View Publishing ***https://doi.org/10.47852/bonviewGLCE42021575*** ***(Coauthored with Anishka Taneja and Biki Das)***

- Do Energy and Sustainable Indices Exhibit Signs of Decoupling from Broader Financial Market Index? The Indian Experience, Empirical Economics Letters, ISSN 1681-8997, http://www.eel.my100megs.com/volume-23-number-december-1-special-issue.htm Vol. 23(1) Spl. Issue ***(Coauthored with Nishi Sharma and Seema Sodhi)***

- Dynamic Price Integration in Global Market of Precious Metals in the presence of structural break, HSB Research Review, ISSN:0976-1179, Vol 18(2) https://gjust.ac.in/Page/Index_2_cap?id=1212&pid=603&mid=605 ***(Coauthored with Ansh Yadav)***

- Does Nifty 500 create an asymmetric impact on Nifty ESG 100? An empirical investigation using E-GARCH and T-GARCH, IUP Journal of Accounting Research and Audit Practices, Vol 23(4), pp 85-101, https://iupindia.in/AccountingResearch_AuditPractices.asp
  Journal in UGC Care List ***(Coauthored with Nishi Sharma and Seema Sodhi)***

2023

- Do efficient commodity markets co-move: evidence from Indian base metals market, *Mineral Economics,* **SCOPUS INDEXED, Springer nature**, Vol 36(3) , https://link.springer.com/article/10.1007/s13563-022-00353-z, ISSN. 21912203 ***(Coauthored with Utkarsh Singhal)***

- An empirical investigation of the impact of spillover dynamics from crude to NSE Nifty Index during and prior to the COVID-19 pandemic period , *SN Business and Economics,* **SCOPUS INDEXED Springer Nature Publications**, Vol 3 (8) **https://doi.org/10.1007/s43546-023-00517-1** , ISSN: 2662-9399 ***(Coauthored with Riya Paliwal)***

- Do Financial Assets Move in Tandem During High Impact Period of a Crisis: Evidence from Global Financial Crisis and COVID-19 Pandemic Periods; *Jindal Journal of Business Research* ***, ISSN 2278-6821,*** **SAGE Publications**, **Journal in UGC Care List,** ***https://doi.org/10.1177/22786821231165807*** ***(Coauthored with Riya Paliwal,)***

- How does investment in green stocks compare with traditional stocks on Indian

equity Market: An empirical investigation, *Indian Journal of Commerce*, **Journal in UGC Care List** ,Vol.76(4) , ISSN : 0019-512X https://icaindia.info/OnlineJournals.php ***(Coauthored with Nishi Sharma)***

- Natural Gas and Crude: Evidence of non linear co-integration from Indian Commodities, *International Journal of the Energy-Growth Nexus*, **Inderscience Publishers** **http://dx.doi.org/10.1504/IJEGN.2023.135298** ***(Coauthored with Ankita Kumari Sharma and Govind Chhugani)***

- Should gold and silver be regarded as two separate asset classes? New insight using threshold cointegration and volatility spillover methodologies; *HRC Journal of Economics and Finance*, Journal of Hans Raj College, Vol. 1(2), ISSN 2583-8814 https://www.hansrajcollege.ac.in/uploads/researchinnovation/callforpapersposter/issue2/Paper%202.pdf ***(Coauthored with Mehal Gogia and Sujata Kumari)***

2022

- Crude – energy crops nexus in light of biofuel policies: An empirical investigation from India, *OPEC Energy Review*, **SCOPUS INDEXED, Wiley Publications,** Vol 46(2), 139-173, ISSN. 1753-*0229* **https://doi.org/10.1111/opec.12224** ***(Coauthored with Anishka Taneja, and Anusha Goel)***

- Dynamics of volatility behaviour and spillover from crude to energy crops: Empirical evidence from India, *Energy Nexus*, **SCOPUS INDEXED, ScienceDirect (Elsevier**), Vol. 8 Dec, ISSN 2772-4271,pp 1-8, **https://doi.org/10.1016/j.nexus.2022.100152**. **(*Coauthored with Anishka Taneja)***

2021

- An econometric investigation of Dynamic Linkages between CO2 emissions, energy consumption, & economic growth: A Case of India and China, *Jindal Journal of Business Research* **SAGE Publications**, Vol 10(1) 107-127 ISSN: 22786821, **Journal in UGC Care List, *https://doi.org/10.1177/22786821211002252*** ***(Coauthored with Aastha Bansal)***

- Transmission & Spillover Dynamics Amongst the Base Metals in India during and prior to the Covid 19 Periods., *HSB Research Review* Vol 16(1) pp 1-11, ISSN:0976-1179, **Journal in UGC Care List** **https://gjust.ac.in/Page/Index_2_cap?id=1212&pid=603&mid=605** ***(Coauthored with Harshita Khaneja and Anusha Goel)***

- Is gold an effective hedge and/or safe haven instrument against stocks, rupee–dollar rate and crude: an empirical investigation from India**.** *Decision, IIM Calcutta* 48, pp.129–151, **Web of Science Journal , Springer Publications, https://doi.org/10.1007/s40622-021-00273-x** , **Journal in UGC Care List *(Coauthored with Aastha Bansal)***

2020

- Carbon Dioxide Emissions & Economic Growth: A Bivariate Co-integration Analysis for two emerging markets of India & China *Vision : A Journal of Business Perspective* **SCOPUS INDEXED** Vol. 24 (1) pp. 9-21 **SAGE Publications,** ISSN: 09722629 https://journals.sagepub.com/doi/10.1177/0972262919855806 ***(Coauthored with***

Kamya Raghuvanshi)

- An Empirical Investigation of the Volatility Spill-over and Asymmetries between Nifty Index and Rupee-Dollar Exchange Rate **,** *Journal of Business Thought* , Journal of Sri Guru Gobind College of Commerce, **Journal in UGC Care List,** Vol. 11, pp. 41-50 ISSN (Print) : 2231-1734 **https://doi.org/10.18311/jbt%2F2020%2F25712**, ***(Coauthored with Prateek Tomar)***

- Dynamics of Contagion and Spillover Effects: Further Evidence from Major Equity Markets *Prajnan, Journal of NIBM*, Vol. XLIX, No. 2 pp.161-184, **Journal in UGC Care List** **https://www.nibmindia.org/static/documents/Prajnan_July-September_2020.pdf** ***(Coauthored with Fahad Umar)***

- Co-integration Dynamics amongst the three MCX Commodity Indices :Linear and Non-Linear Approaches , ***IIM Shillong Journal of Management Science*** **, SAGE PUBLICATIONS**, Vol .11(3), pp. 155-168 Print ISSN : 0976-030X. Online ISSN : 0976-173X **https://doi.org/10.5958/0976-173X.2020.00012.3** ***(Coauthored with Uttara Bhardwaj)***

- Gold Vs. India VIX : A Comparative Assessment of their Capacity to act as a Hedge and/or Safe Haven against Stocks, Crude and Rupee Dollar Rate *Business Analyst, Journal of SRCC* , Vol. 41(2) , . pp. 75-105 ISSN 0973 - 211X **https://www.srcc.edu/system/files/4_0.pdf** ***(Coauthored with Aastha Bansal)***

- Is There a Cointegration Amongst Sector-Specific Indices of the Indian Stock Markets? An Investigation Using ARDL with Single Structural Break *IUP Journal of Applied Finance*, Vol. 26, No. 3. pp. 28-47 ISSN: 0972-5105 **https://www.iupindia.in/0720/Applied%20Finance/Cointegration_Amongst.asp** ***(Coauthored with Ananya Sharma)***

- Empirical Investigation of Select NSE Sector specific Indices to ascertain seasonality & asymmetries in their return & volatility *Business Analyst, SRCC*, Vol. 41(1) ISSN 0973 - 211X. pp. 55-80 **https://www.srcc.edu/system/files/Article-3-Empirical%20Investigation%20of%20Select%20NSE%20Sectorial%20Indices.pdf** ***(Coauthored with Ananya Sharma)***

- Revisiting Financial Development and Economic Growth nexus after incorporating Structural Breaks: Evidence from India *International Journal of Financial Management* , Vol. 10(1) pp.43-52. ISSN. 2319-4928**http://www.publishingindia.com/ijfm/30/872/2020/** ***(Coauthored with Keshav Sharma)***

- Do the Macros have an Impact on Stock Markets: Investigation After Incorporating Structural Breaks *Presidency Journal of Management Thought and Research* , Vol. 10(1) pp. 1-16 ISSN 2229-*5275* ***https://pjmtrjournal.in/pdf/PJMTR%20-Jan-June2020.pdf*** ***(Coauthored with Prashant and Vijay Swami)***

- Does the Energy-Food Nexus still exist: Empirical Evidence from the Indian Agriculture Sector post food crisis of 2006 **Effulgence** Vol. 18 (2) ISSN 0972-8058 pp 13-27 **https://dx.doi.org/10.2139/ssrn.3598282** (***Coauthored with Shikshu Kumar, and Anusha Goel)***

Publications (Prior to 2020 in Peer Reviewed Journals /Referred journals)

- Exploring Dynamic Linkages between inward FDI and Economic Growth; *Jindal Journal of Business Research* **SAGE Publications**, **Journal in UGC Care List** , Vol 8(2) pp.109-117 ISSN: 22786821, **https://doi.org/10.1177/2278682119833194** ***(Coauthored with Aayushi)***

- Impact Of Macro Economic Variables On India's Stock Market: A Dynamic OLS Approach *Business Analyst, SRCC* Vol. 40(2) ISSN 0973 - 211X. pp. 37-60 **https://www.srcc.edu/system/files/3.pdf** ***(Coauthored with Bhavya Vashisht)***

- Empirical investigation of application of concept of cognitive dissonance to Indian financial markets; *Gurukul Business Review*, Vol 15(1) pp24-35 ISSN No. 0973-9262) **Web of Science Journal** **https://gurukulbusinessreview.in/wp-content/uploads/2019/12/3-paper.pdf** ***(Coauthored with Mehak Gupta)***

- A Study of the Movement of Interest Rates and Spillover of Volatility and Returns Amongst the Leading Bank Stocks in India **;** *IUP Journal of Financial Risk Management,* 16(4) pp. 1-11 ISSN: 0972-916X ***(Coauthored with Nikhil Nagpal)*** ***https://www.iupindia.in/1912/FinancialRisk%20Management/A_Study_of_the_Movement.asp***

- An Empirical Investigation of the Inter-Linkages Between Different Indices of Multi Commodity Exchange of India; *IUP Journal of Applied Economics*,18 (1) ISSN: 0972-6861 ***(Coauthored with Udhav Sarin and Madhav Malhotra)*** ***https://www.iupindia.in/1901/Applied%20Economics/An_Empirical_Investigation.asp***

- Non Linear Causality and Asymmetries in Oil and Gold : An empirical investigation; *Effulgence,* Vol. 17(2) Spl. Issue ISSN 0972-8058 ***(Coauthored with Rachna)*** ***https://effulgence.rdias.ac.in/user/article_pdf/Article_17_2_Spl_3.pdf***

- An empirical investigation of the inter-linkages between different segments of the financial markets using VAR Methodology(2018) **;** *HSB Research Review* Vol 13(2) https://gjust.ac.in/Page/Index_2_cap?id=1212&pid=603&mid=605 ISSN :0976-1179 **Journal in UGC Care List** ***(Coauthored with RajKamal)***

- Role of Financial Development in Economic Growth of India : An Empirical Analysis (2018); *HSB Research Review* Vol 13(1) pp.1-7 ISSN :0976-1179 https://gjust.ac.in/Page/Index_2_cap?id=1212&pid=603&mid=605 **Journal in UGC Care List** ***(Coauthored with Sakshi Sharma and Aakriti Ghildiyal)***

- Financial Development and Economic Growth Nexus-Empirical Investigation of three South Asian Economies (2018) ; *Pacific Business Review International* Vol.11(2), pp 69-78. (**Web of Science; Emerging Sources Citation Index Journal)** ***(Coauthored with Sakshi Sharma and Aakriti Ghildiyal)*** ***http://www.pbr.co.in/2018/2018_month/Aug/8.pdf***

- Does Futures help in Price Discovery of Spot: An Empirical Analysis of the NSE Spot and Future Index of India (2018) **;** *Business Analyst, SRCC Journal* Vol. 39(2) ISSN 0973 - 211X, 39(2), pp. 89-107 ***(Coauthored with Gurpreet Singh)*** ***https://www.srcc.edu/does-futures-help-price-discovery-spot-empirical-analysis-***

nse-spot-and-future-index-india

- A Comparative Analysis of the Seasonal Trends in India and other markets of the BRICS nations (2018); *Effulgence*, Vol. 16 (1) ISSN 0972-8058 **https://effulgence.rdias.ac.in/publication/Jan-Jun,2018%20-(Vol.16,No.1-Special%20Issue).pdf** ***(Coauthored with Ananya Sharma)***

- Empirical Investigation of the nature of Returns of Stock Prices of three prominent South Asian Markets using Parametric and Non-Parametric techniques**,** (2018); *Optimization,* Vol. 10 (2) ***(Coauthored with Kaamil Chopra and Ramit Vazirani)*** ***http://www.publishingindia.com/ojrm/109/empirical-investigation-of-the-nature-of-returns-of-stock-prices-of-three-prominent-south-asian-markets-using-parametric-and-non-parametric-techniques/717/5001/***

- Co-Movement Dynamics of the stock index returns of the BRICS nations: an Empirical Investigation (2018) *AJMAAR* , Vol 8(1) (ISSN 2230 – 8660 (print) **Journal of Centre for Management Studies, Jamia Millia Islamia** ***(Coauthored with Aman Jain and Yash Singhal)***

- Optimal Portfolio Construction for NSE Nifty using Linear Programming & Sharpe Single Index Model (2018), *Journal of Gandhi Institute of Technology & Management (GITAM)* , Vol. 16(2) (ISSN No. 0972-740X) ***(Coauthored with Vijay Swami and Roshan Kumar)*** ***https://www.econbiz.de/Record/optimal-portfolio-construction-for-nse-nifty-using-linear-programming-sharpe-single-index-model-shahani-rakesh/10012024917***

- Did 'BREXIT' lead to a Structural Break in Stock Returns of select EU Countries: A time series econometric investigation (2018); *IUP Journal of Financial Risk Management,* Vol. XV(2) ISSN: 0972-916X ***(Coauthored with Mohammad Subhan)*** ***https://www.iupindia.in/1806/Financial%20Risk%20Management/Did_BREXIT_Lead_to_a_Structural_Break.asp***

- Linkages between Stock and Commodity Indices : An Empirical Investigation (2018); *Effulgence* Vol. 16 (1) ISSN 0972-8058 ***(Coauthored with Madhav Tiwari and Anuj Miglani)*** ***https://effulgence.rdias.ac.in/user/article_pdf/article_16_Vol1.7.pdf***

- Dynamics of the Co-Movement of the Returns of the Sectorial Stock Indices of India, US & European Economies (2017)**,** *IUP Journal of Financial Risk Management*, Vol XIV(3) ISSN: 0972-916X ***(Coauthored with Abhishek Tanwar and Srimaan Gupta)*** ***https://www.iupindia.in/1709/Financial%20Risk%20Management/Dynamics_of_the_Co-Movement.html***

- Long and Short Term Co-integration adjustment dynamics between NSE, NYSE and SSE using ARDL Bounds Testing Approach (2017), **HSB Research Review** Vol. XI(1) https://gjust.ac.in/Page/Index_2_cap?id=1212&pid=603&mid=605 ISSN :0976-1179**, Journal in UGC Care List** ***(Coauthored with Vijay Swami and Roshan Kumar)***

- An Empirical Investigation of Existence of Trading Strategy (Momentum or Contrarian) in Context of Indian Equities (2017); *Effulgence,* ISSN 0972-8058, Vol. 15(1***) (Coauthored with Prashant Singh)*** ***https://effulgence.rdias.ac.in/user/article_pdf/article_1.pdf***

- A Study Of The Behaviour Of Stock Returns Due To M&A Of Select NSE Nifty Companies: The Event Study Approach**"** (2016**)** *Journal of Research and Studies,*

Journal of Aurobindo College, Delhi Vol 1 (1) https://drive.google.com/file/d/1qkDqxXl3L3TGfULLB9RpMYSJswM3-Vn6/view?usp=drive_link ISSN 2455-5401 ***(Coauthored with Chitrak Kumar)***

- The new emerging trends in Causality: The replacement of US Markets by European Markets(2016) *Academia, Journal of B R. Ambedkar College*, https://drive.google.com/file/d/1iPZw6mkcFu_sWchwBGoM3qR9G8FXjPgU/view?usp=drive_link Vol 1 (1) ISSN 2395-0161***(Coauthored with Vaibhav Garg, Jatin Thakkar & Shubham Tandon)***

- A Comprehensive Evaluation of Select Large Cap and ELSS Funds Using Formula Based Risk Adjusted Performance Measures (2016) *IUP, Journal of Financial Risk Management,* Vol. XIII(2) ISSN: 0972-916X***(Coauthored with Param Raj)*** ***https://www.iupindia.in/1606/Financial%20Risk%20Management/A_Comprehensive_Evaluation.html***

- Inter-linkages between movement of the Indian Rupee & BSE Sector Specific (IT) Index: An Empirical Investigation (2015); *IUP Journal of Applied Finance* **, IUP Publications** July, ISSN:0972-5105, ***https://www.iupindia.in/1507/Applied%20Finance/Inter-Linkages_Between_Movement.html*** ***(Coauthored with Udit & Moulik)***

- Empirical Test of the Random Walk Characteristics of the Stock Returns of Select South Asian Markets (2015**)** *Arthavaan, Journal of Bharti College, Delhi* Oct. pp 51-57, ISSN No. 2455-0353***(Coauthored with Kaamil Chopra and Ramit Vazirani)*** ***http://www.arthavaan.org/files/IssueContent/D--33.pdf***

- Indian Banking Sector : Establishing a panel data econometric model of advances and deposits (2014); *P.R. Journal of Studies*, Vol 2(1) ISSN 2348-3652***(Coauthored with Isha Gupta and Sonal Gupta)***

- Evaluating the Performance Characteristics of Select Bank Funds using Popular and Advanced Measurement tools" **(2013);** *International Journal of Management and Behavioural Science* https://drive.google.com/file/d/108dxna-OiQdxb1IxZWjZQpsOVQZT-hU6/view?usp=drive_link ,Vol.5 pp 71-75 (ISSN 2278-5671) : ***(Coauthored with Vishu Kapoor & Kunal Adhikari)***

- A Systematic Evaluation of Risk and Reward Characteristics of Mutual Funds with International Exposure using formula based advanced measurement tools (2013) *Commerce Spectrum, International Journal of Commerce and Business*, https://drive.google.com/file/d/1h1vPSlR5Jj3g17Bz67uip_437cZqgMMy/view?usp=drive_link Vol 3, pp 22-28 (ISSN 2249-992X) ***(Coauthored with Param Raj, Varun Goel & Sachin Chabbra,)***

Publications (Conference Proceeding / Chapters in Books) Authored/Co-Authored

- Do green Indices Show co-integrating Relation with Crude and Broader Market Indices during Shocks: Empirical Evidence from India using Quantile ARDL Approach (2025) as conference proceedings in edited book : International Management Perspective : Digitalization, Entrepreneurship, and Sustainability, ISBN. 978-93-94086-62-3, PP 248-258 https://drive.google.com/file/d/1_tyNJDh0mdQxjytocMbHzKIvAmevrjc4/view?usp=sharing

- Examining the Dynamic Integration of India's Green Benchmark Indices: Global Peers or Traditional Crude (2025) as conference proceedings in edited book : Emerging Agenda in Sustainable Infrastructure; Routledge , Taylor and Francis, ISBN 978-104-129237-1

- Alternate Financial Assets and their Cointegration dilemma in Indian context: Can QARDL provide an answer (2024) as conference proceedings in edited book : Analect: Research Inputs in Sustainability, Technology, Entrepreneurship and Management, 1st STEM Conference HSB, GJUS&T (ISBN: 978-81-19956-61-6, pp 14-26) https://drive.google.com/file/d/1Cyn_dSLezPIB8OaPcw8rdXqOGvQB8hYV/view?usp=sharing

- Validating the EKC Hypothesis amongst BRICS Nations using Agricultural Methane Emissions as a Proxy for Environment Degradation (2022) Conference Proceedings as edited book QUINTESSENTIAL REFLECTIONS Management Theory, Research and Practices,14 HSB National conference. pp 526-544, (ISBN 978-93-84871-21-5) https://drive.google.com/file/d/14bwuDzEtEfVNAG7pHLuO8o7Q1R_9wLWz/view?usp=sharing

- Examining the Return -Volatility Relation under the Quantile Regression Framework: Fresh Evidence from India and US Markets (2022) Conference Proceedings as edited book QUINTESSENTIAL REFLECTIONS Management Theory, Research and Practices,14 HSB National conference. pp 526-544, (ISBN 978-93-84871-21-5) https://drive.google.com/file/d/1P-zIZGDAArvToFE7P0HpkENtIO-r9qzU/view?usp=sharing

- How Consistent is the Negative Return-Volatility Relation across Expiry Dates of VIX
- Indices: Evidence from US and Indian Markets using Quantile Regressions Framework (2023) Conference Proceedings as edited book FLORILEGIUM,14 HSB National conference. pp 22-25, (ISBN 978-93-84871-21-5) https://drive.google.com/file/d/1_wKsX51IKYLwPrEF1iJrUtNpkO7Yu1C3/view?usp=sharing

- Does Dynamic Linkages amongst Base Metals Provide Evidence of Being an Alternate Asset Class in Indian Context? (2023) Conference Proceedings as edited book FLORILEGIUM,14 HSB National conference. pp 22-25, (ISBN 978-93-84871-21-5)
- https://drive.google.com/file/d/10bdEiKWtyYv93ni_ouOtDu3xWYf05d6A/view?usp=sharing

- An Empirical Investigation into the Efficiency Parameter through Seasonal Movements in Security Prices of the BRICS nations(2018) Conference Proceedings 10 HSB National conference

- Co-Movement Dynamics of the stock index returns of the BRICS nations: an Empirical Investigation (2017). Emerging Issues in Finance, pp 269.

- Calendar anomalies in Stock Returns of Select South Asian Markets (2016) Management Mosaic : Traversing Across assorted research arena Wisdom Publications , Delhi (ISBN 978-93-85504-14-3)
- An Empirical test of the Stability of Stock Betas of the Stock Betas of the select BSE Sensex Companies ,(2016); Published in Conference Proceedings :UGC National Conference on Emerging Trends And Contemporary Issues In Finance, Dayal Singh Evening College (DU) (Conference Proceeding with ISBN No. 978-93-5254-818-7)

- Empirical Investigation of Asymmetric Relation between Stock Returns & Trading Volumes on the Indian Stock Markets".(2016) Published in Conference Proceedings , UGC National Conference on Emerging Trends And Contemporary Issues In Finance , March29-30, at Dayal Singh Evening College (DU)) (Conference Proceeding with ISBN No. 978-93-5254-818-7)

- A Study of the Dynamics of Cause - Effect relation between Investment Patterns of FII in India and the returns on CNX NSE Nifty (2015) Published in Conference Proceedings : Emerging Horizons in Business Management Victorious Publishers, Delhi .pp 325-336 (ISBN 978-93-84224-22-6)

- Evaluation of Select Sampled Index Funds using Tracking Error & Downsize Risk Methodologies (2015) Published in Conference Proceedings : Emerging Trends in Business and Management, Anamica Pub Co, Delhi (ISBN 978-81-7975-663-8))

- GDP and Stock Indices of Asian Economies : Incorporating Heterogeneity in the Panel Data Model (2014) in A Beacon across Economics, Finance, Governance and Leadership in recent era : Published by Himalaya Publishing House, ISBN 978-93--5273-426-9, pp26-35
- Measurement of Quarterly Results Impact of Sensex Stocks on Sensex Movement : The Semi Strong Approach (2014) Published in *Emerging Trends in Business and Economy,* eds. Jain, Swati et. al. Excel Books: New Delhi, 162-177, (ISBN 978-93-5062-614-6)

- An empirical Analysis of the 'Day of the week effect' on Indian Market(2014)Conference Proceedings : Contemporary Issues in Leadership & Management ,Twenty first century publications pp 157-180 (ISBN 978-81-89463-82-3)

- Recent Trends in Causality : The Impact of European Markets (2014) Published in Conference Proceedings : Challenges of Globalization, Atlantic Publishers ,Delhi ,pp 259-270 (ISBN 978-81-269-1953-6)

- Modeling Equilibrium Relation between market returns of the US, European and Indian Markets through ECM and Co-integration Approaches(2013) Published in Indian Capital Markets: An empirical analysis, ICFAI University Press, Hyderabad. pp 99-106 (ISBN 978-81-3142-796-5)

- Indian Banking Industry: An Econometrics Model of Growth in Bank Advances(2014) Published in ' Financial Inclusion: New Paradigms' Navyug Books International, Delhi (ISBN 978-93-82974-21-5)

- Foreign Investment in India: Issues and Implications for Globalization (2005) Published in Globalization & World Economic Policies, Serials Pub, Delhi

- Stock Market Volatility: The Indian Experience,(2005) Published in Indian Economic Development & Business by New Century Pub, Delhi. (ISBN 81-7708-080-6).

- Driving Force Behind Environmental Protection : Mandatory or Voluntary(1997) , Economics of Environment and Natural Resource Management , CPDHE University of Delhi.

- Environmental and Trade Considerations in the South Asian Region (1997) Trade ,

Environment and Sustainable Development Mac Millan Press Ltd.

- The Efficiency in the Indian Market in the weak form : Random Walk and Calendar Effect Investigation(2014) Published in India at the Crossroads, LexisNexis India pp 95-104 (ISBN 978-93-5143-105-3)

- Adjustment Dynamics in Causal Linkages between Oil &Gold : An Empirical Investigation (2015) International Conference on Evidence Based Management, BITS Pilani
- 'A Study of Risk and Return Characteristics of Select Equity Linked Savings Schemes in India' (2013) Published in Emerging Issues in the Indian Financial Markets, Bloomsbury Pub, New Delhi. . (ISBN 9789382951216)
- 'Investigation of Causality between FIIs and Mutual Fund Investment in India' (2013), Published in 'Dynamic of Innovative Practices in Management' Excel Books, Delhi. . (ISBN: 978-93-5062-183-7)

- 'Checking the Consistency of the Performance of Select Large Cap Mutual Fund Schemes across benchmarks' (2013), Published in 'Dynamics of Innovative Practices in Management' Excel Books, Delhi. . (ISBN: 978-93-5062-183-7)

- .'Are Foreign Institutional Investors (FIIs) Fair Weather Friends'(2007), Published in 'Financial Services', Shree Publishers Delhi. (ISBN 978-81-8329-180-5)

- 'Impact and Implications of the entry of private players in the Insurance Sector', (2007), Published in 'Financial Services', Shree Publishers Delhi. (ISBN 978-81-8329-180-5)

Conference / Presentations /Workshops

- **Balancing Growth and Sustainability: Evidence from GDP, Population, and CO_2 Emissions from Transport in BRICS Countries,(2025)** 3rd Internation Conference on Infrastructure and Sustainability, Adani University , Dec 18-19
- **Urbanization, Household Savings, and Environmental Sustainability: Investigating the cointegrating relation in Indian Context,(2025)**, 3rd Internation Conference on Infrastructure and Sustainability, Adani University , Dec 18-19
- ***Time Varying Dynamics and Structural Breaks in Betas of Green of Carbon Intensive Stock Indices: Evidence from Indian Markets (2025)*** Paper Presented at International Conference: Management Imperatives for Organizational Success : Transformation through technology and Innovation, IBS Business School, Nov 14, 2025 Gurgaon
- ***Examining the Dynamic Integration of India's Green Benchmark Indices: Global Peers or Traditional Crude(2024)*** Paper Presented at International Conference, Adani University, Dec 11-12.
- ***Dependence Structure with time varying linkages of India's Green Indices with US Sustainability Indices using DCC GARCH Methodology (2024)*** Paper Presented at International Finance Conference, XLRI Jamshedpur , Sep 13-14.
- ***The nexus between economic growth, urbanization, trade, biocapacity and ecological footprint: The Indian Experience (2024)*** at 7th Biennial International Conference: Vision India@2047: Global Leader in Economic Growth, Sustainability & Decarbonization, March 21-22, 2024 at Sri Guru Gobind Singh College of Commerce, Pitampura, New Delhi

- ***Do ESG Indices across BRICS enjoy any dynamic relation: Empirical analysis using VARMA-GARCH Spillover Approach (2024)*** at 7th Biennial International Conference: Vision India@2047: Global Leader in Economic Growth, Sustainability & Decarbonization, March 21-22, at Sri Guru Gobind Singh College of Commerce, Pitampura, New Delhi
- ***Has Indian Capital Market Dynamics undergone a structural change during the recent past: An empirical investigation using break period analysis(2024)*** at an International Conference on Emerging Financial Trends: March 22-23, at Arun Jaitley National Institute of Financial Management
- ***Alternate Financial Assets and their Cointegration dilemma in Indian context: Can QARDL provide an answer (2024)*** at 1st STEM HSB Conference, Feb 29-Mar 1, Haryana School of Business , Hisar
- ***Assessing the environmental sustainability corridor for BRICS nations by integrating three SDGs, 'biocapacity' and 'ecological footprint' (2023)*** at SEEDS International Conference, NOIDA organized by Jaipuria Management Institute in collaboration with University of Middlesex, Dubai.
- ***Is Afghanistan Joining the global players of environment degradation through growth: Evidence from EKC and Dynamic Cointegration linkages (2023***) at International Conference on Growth, Resilience, And Sustainability in an Uncertain World, April 11-12, Dept. of Economics, Central University of Rajasthan
- ***How consistent is the negative return-volatility relation across expiry dates of VIX indices: Evidence from US and Indian Markets using quantile regressions framework (2023)*** at 15th HSB Annual Conference, Feb 9-10, Haryana School of Business , Hisar
- ***Does Dynamic Linkages amongst base metals provide evidence of being an alternate asset class in Indian Context (2023)*** at 15th HSB Annual Conference, Feb 9-10, Haryana School of Business , Hisar
- ***Dynamic Interaction between food and fuel markets in India: Has India joined the global race (2022)*** at 3rd Capital *Market Conference Dec 15-16, NISM Raigarh. Maharashtra*
- ***Should gold and silver be regarded as two separate asset classes: New insight using threshold cointegration and volatility spillover methodologies(2022)*** International Conference on Business in Turbulent World : Keeping Connections Alive **,** LPU, Phagwara , 21 Nov***.***
- ***Natural Gas and Crude: Evidence of non linear co-integration from Indian Commodities (2022)*** International Conference on Business in Turbulent World : Keeping Connections Alive **,** LPU, Phagwara , 21 Nov
- ***An empirical investigation of the impact of Spillover Dynamics from Crude to NSE Nifty Index during and prior to the COVID 19 Pandemic period (2022)*** 4th International Conference on Financial Markets & Corporate Finance , IIT Mumbai , 7-9 JULY
- ***Modelling non-linear co-integration and volatility linkages for crude and energy crops in India (2022)*** at an International Conference on Corporate and Economic Transformation - Embracing the Change organized by Deen Dayal Upadhyaya College (Department of Management Studies , Commerce) along with Kautilya Foundation, 24-25 March
- ***Investigation of Traditional & Quantile Regression Approaches to Stock Return-Volatility Relation: A Comparative Assessment of Indian & US Markets(2022)*** at an International Conference on Corporate and Economic Transformation - Embracing the Change organized by Deen Dayal Upadhyaya College (Department of Management Studies , Commerce) along with Kautilya Foundation, 24-25 March
- ***An empirical analysis of Return-Volatility relation for NSE (India) using traditional and quantile regression approaches (2019)*** at 1st Capital *Market Conference Nov 21-22, NISM Raigarh. Maharashtra*
- ***'Modeling Sectorial Indices of NSE to ascertain seasonal variation and asymmetries in***

their return volatility : An Empirical Investigation*' *(2019) at an International Conference on Advances in Management Practices organized by JIMS Delhi.

- ***'Non Linear Causality and asymmetries in Oil & Gold : An empirical investigation' (2019)*** at a Conference on Emerging Trends in Management Practices organized by Rukmini Devi Institute of Advanced Studies, Delhi.
- ***Empirical Investigation of application of concept of Cognitive Dissonance to Indian Financial Markets (2019)*** 41st All India Accounting Conference Manipal University , Jaipur
- ***Co-Movement Dynamics of the stock index returns of the BRICS nations: An Empirical Investigation (2017)*** 2nd International Finance conference, CMS,JMI
- ***Testing the efficiency of the movement of prominent sectorial indices of the National Stock Exchange (2017)*** at an National Seminar Managing Indian Economy; Challenges for the Future , at DDU College
- ***Empirical Investigation of the presence of Structural Break in the behaviour of returns of the S&P NSE 500 Index(2016)*** at 2nd International Conference on Applied Business & Economics (in Collaboration with The Indian Econometric Society), SMVDU, Katra
- ***Establishing an panel data relation between GDP and FDI of BRICS nations using a fixed effects methodology(2014)*** International Conference organised by Dept of Economics, University of Allahabad, Dec.
- ***Evaluation and Comparison of risk adjusted returns between large cap and small cap mutual funds (2014)*** at second international conference 'Transition from Past to Future in Science, Technology and Management, 3 E Innovative Foundation, New Delhi June 28-29
- ***Indian Banking Sector : Establishing a panel data econometric model of advances and deposits (2014)*** at second international conference 'Transition from Past to Future in Science, Technology and Management, 3 E Innovative Foundation, New Delhi June 28-29.
- ***Does the popular BRICS Model reflect a contagion effect' (2014)*** at an international Conference India 2020 Vision for the Financial Sector, Sri Guru Gobind Singh College of Commerce (Univ of Delhi) March 10-11
- ***A Fixed Effects Approach to Modeling advances and deposits of the Indian Banking Sector (2014)*** ' Eighth National Seminar on Capital Markets , IBS Gurgaon Feb 5
- ***'The new emerging trends in Causality: The replacement of US Markets by European Markets'(2013)*** at an International Conference ' Managing Change in Business and Economy' Pacific Academy of Higher Education and Research , Udaipur , 6-7 April
- ***Disinvestment of Public Sector Undertakings: Is it Synonymous with PSU Reforms*** **(2012)** '' at an International Conference on Contemporary Innovative Practices in Management ,Pacific Academy of Higher Education and Research , Udaipur April *13-14*
- ***NSE VS BSE: Are we going in the right direction*****(2012)** at UGC Sponsored National Seminar The Future of Corporate Finance in India Delhi College of Arts & Commerce, *March 22-23*
- ***Causality between Sensex and Dow : Sub Prime and*** **Beyond (2012)** ' Sixth National Seminar on Capital Markets , IBS Gurgaon March 2-3
- ***Risk Management and Global Financial*** **Crisis' (2009)** AICTIE Sponsored National Conference Emerging Facets Of Management-Issues & Challenges **;** ; AIMT , Ambala Haryana ,Nov 6-8
- ***Financial Engineering : Issues and Challenges (2009)*** Emerging Issues in Finance *:* Department of Business Economics (University of Delhi) Feb 9
- ***Issues in Behavioral*** **Finance (2009)** Emerging Issues in Finance *:* ; Department of Business Economics (University of Delhi) Feb 9th, 2009
- ***Universal Banking (2008)*** Changing Face of the Public Sector Banks in India' National Conference ;Kamla Nehru College, (University of Delhi) Jan
- ***'Financial Engineering : Risk Management or Risk Magnification'(2008)*** Management Science and Arts International Conference ; Gurukul Kangri Vishwavidyalalya Haridwar .Sep

- ***Managing Foreign Exchange Reserves in Context of* Globalisation' (2004)** Kautilya Foundation & Dept. of Bus. Economics. (University of Delhi) March 23rd
- ***The Tiger and the Dragon (2006)*** Emerging Economic Relations : India and the Neighbouring Countries ; Dept. of Business Economics,(Dr. B.R. Ambedkar College**)**

Research Projects (Major Grants/Research Collaboration)

- **Worked as a *Principal Investigator for Project*:** *EMI of Home Loan : A Study of Qualitative and Quantitative Factors (Awarded by University of Delhi under Innovative Projects scheme, :*

  Paper Presentations as a ***part of the Innovative Project:-***
- "***Factors Driving Demand for Residential Housing Loans in Delhi & NCR Region : An econometric analysis*"** was presented at an international conference Emerging Trends in Business and Management : Shaping the Future at Deen Dayal Upadhyaya College (University of Delhi) Feb 6 & 9 , 2015
- ***Modeling Relationship amongst variables impacting demand for residential houses in Delhi NCR Region: A Logistic Regression Approach*** *was presented at a UGC National Conference Emerging Trends & Challenges in Management Feb 27-28,2015 at Dept of Management*

Awards and Distinctions

Fellowship and Awards

Junior Research Fellowship (JRF) from University Grants Commission

Thirteen (*Eleven Best & Two Second Best*) Research Paper Awards for the following co-authored papers*) :-*

(1) *Urbanization, Household Savings, and Environmental Sustainability: Investigating the cointegrating relation in Indian Context,* 3rd International Conference on Infrastructure and Sustainability, Adani University , Dec 18-19, 2025

(2) *The nexus between economic growth, urbanization, trade, biocapacity and ecological footprint: The Indian Experience*, ; 7th Biennial International Conference: Vision India@2047: Global Leader in Economic Growth, Sustainability & Decarbonization, at Sri Guru Gobind Singh College of Commerce, Pitampura, New Delhi , March 21-22, 2024

(3) Modelling non-linear co-integration and volatility linkages for crude and energy crops in India ; Corporate and Economic Transformation - Embracing the Change organized by Deen Dayal Upadhyaya College (Department of Management Studies & Commerce) along with Kautilya Foundation, Mar 24-25, 2022.

(4) *Examining the Dynamic Integration of India's Green Benchmark Indices: Global*

Peers or Traditional Crude, ; 2nd International Conference on Infrastructure and Sustainability, Adani University, Dec 11-12, 2024

(5) *Hedge and/or Safe Haven: Is Gold an effective instrument against stocks, rupee-dollar rate and crude: An Empirical Investigation from India, ;* Emerging Perspectives of Finance and Changing Economic Scenario at IMS , Ghaziabad on Feb 29, 2020

(6) *Modeling Sectorial Indices of NSE to ascertain seasonal variation and asymmetries in their return volatility: An Empirical Investigation* ; Advances in Management Practices organized by JIMS Delhi, The paper received *Outstanding Research Work Award in the section on 'Advances in Financial Management Practices'* April 27, 2019

(7) *Non Linear Causality and asymmetries in Oil & Gold : An empirical investigation;* Emerging Trends in Management Practices organized by Rukmini Devi Institute of Advanced Studies, Delhi ,11-12 April 2019

(8) *'A Comparative Analysis of the Seasonal Trends in India and other markets of the BRICS nations* ; Rukmini Devi Institute of Advanced Studies, Delhi ,12-13 April 2018

(9) *'An empirical investigation of the inter-linkages between FII Investments, Index Movement and Volatility using VAR Methodology' HSB 9th Annual National Conference on Business & Management 8-9 Feb 2017*

(10) *'Random Walk Characteristics of Stock Indices of three South Asian Economies using Unit Root, Correlogram & Variance Ratio techniques: An Empirical Investigation'* ; Financial System Reforms & Economic Growth: Issues & Challenges Organized by Lal Bahadur Shastri, Institute of Management; Feb 26-27, 2016

(11) *An empirical analysis of the of major sub segments of the MCX Commodity Indices using VAR Methodology'* ; 7th COMIT 2016 International Conference Global Information & Business Strategies , GIBS New Delhi ,Dec 16-17, 2016

(12) *The Efficiency in the Indian Market in the weak form: Random Walk and Calendar Effect Investigation,* paper presented at an International Conference *'India at the Crossroads'* organized by IBA GNOIDA (UP) India.*Feb 7-8, 2014*

(13) '*Investigation of Causality between FIIs and Mutual Fund Investment in India*' presented ; '*Dynamics of Innovative Practices in Management*' at Maharaja Ranjit Singh College of Professional Sciences, Indore (M.P) 22nd – 24th Dec., 2012

Association With Professional Bodies

Life Member : Kautilya Foundation

Other Activities

Computer Skills **MS Office, EVIEWS, SPSS, ''R', Python, Machine Learning**

Invited Lectures and Other Presentations

- As a **Session Chair** of Technical Session III: at *HSB 1st STEM Conference (Feb 2024)*
- As a **Session Chair** of Technical Session XI : Finance at *HSB 15th Annual National Conference on Business & Management (Feb 2023)*
- As a **discussant** at 4th International Conference on Financial Markets & Corporate Finance **, IIT Mumbai** *(July 2022)*
- As a **Session Chair** of Technical Session at *HSB 11th Annual National Conference on Business & Management (Feb 2019)*
- As a **Expert** for One day Workshop on Advanced Time Series Econometrics, Dept of Business Economics University of Delhi *(Oct 2017)*
- As **a Expert** for Workshop on Advanced Statistical Techniques (Topic EVIEWS) *(Oct 2015)*
- As a **Session Chair** of Technical Session: VII Finance at *HSB 7th Annual National Conference on Business & Management (Feb 2015)*
- As a **Principal Speaker** for GNCOM at Greater NOIDA Institute of Management (2009)
- Delivered **Invited Lecture** 'How to Analyse Business Daily' to MBA Business Economics Students of Gurukul Kangri University Haridwar (Uttarakhand)
- Delivered **Invited Lectures** in Econometrics to MBA Business Economics Students of Gurukul Kangri University Haridwar (Uttarakhand)
- Invited as a **technical expert** for Workshop '*Globalisation and Indian Financial System'* ; Dept of Financial Studies, Purvanchal .University, Jaunpur *(Oct 2007).*
- Delivered **a special lecture** '*Derivatives and Risk Management '* to MBA (Finance) Students of Purvanchal University, Jaunpur (U.P) (*Mar 2012)*
- Delivered **four special lectures** ' *How to test Market Efficiency*', ' *Stock Market Volatility*', '*Getting optimal solution under dynamic programming*' and '*Statistical Measurement of Foreign Exchange Exposure*' to participants at AICTE Faculty Training Programme ; Shri Mata Vaishno Devi University, Katra, J&K *(July 2009)*
- **Presented a paper** '*India : The growing economic super power and what it entails for the rest of the world*' to the students and faculty members of different European Universities at European Management Institute *(July 2009)*
- **Keynote Address** 'Management Challenges in the Changing Global Business Scenario' National Conference Greater Noida Institute of Technology, Greater Noida , *(Nov 2009)*:
- Delivered two **special lectures** '*Financial Engineering :Issues and Concerns'* and '*Topics in Behavioral Finance*' to MFC Students of Purvanchal University, Jaunpur (U.P) *(Nov 2008)*
- Presented a paper '*Corporate Governance & Stock Prices'* at a refresher course organized by CPDHE (UGC-ASC of DU) , *(May-June 2001)*
- **Presented a paper** '*Some Issues In Behavioral Finance'* at a Refresher Course
- in Computer Applications organized by CPDHE (UGC-ASC of DU)
- Delivered **two special lectures** '*Behavioral Finance : A new Dimension in Finance*' and '*Financial Engineering for the beginners'* to MBA Students of Gurukul Kangri University Haridwar (Uttarakhand) *(Feb 2009)*

Popular Articles (in Magazines, Newspapers)

- *'Temporary Impact'*(2008) : The Hindu Business Line, Delhi, 3rd March

- *If New Economy is Fast, Old Economy is Steady* (2000) PTI Eco. Service, June
- *Financial Evaluation of a Merger Proposal* (2001)) Published *in Business Economist,* Annual Magazine of the Dept. of Business Economics Univ. of Delhi, South Campus
- *Infotech Stocks :Where is the Summit* (2000), PTI Economic Service, April
- *Say Goodbye to Buyback* (2000) , PTI Economic Service ,May
- *Mutuals: Be Innovative* (2000) PTI Economic Service, June
- ABC of Foreign Investment in India (2012) Chetna, Annual Magazine of Dr. Bhim Rao Ambedkar College
- Gold ETFs : New Addition in the Basket of Collective Investment Vehicle(2013) Chetna, Annual Magazine of Dr. Bhim Rao Ambedkar College

Curriculum Development

- Independently Designed Entire Finance Module (Four Papers: *1 Financial Markets and Intermediaries 2. Applied Corporate Finance 3. Investment Management & 4.Derivatives And Risk Management*) for MBE Programme (University of Delhi) ; syllabus implemented w.e.f. acad. session 2010-11.
- Convener of *Entire Finance Module* (five papers) and *Entire Quantitative Techniques Module* (four papers) for undergraduate BBE Programme (Univ. of Delhi); syllabus implemented w.e.f. academic session 2010-11.
- Jointly Designed a number of papers (Financial Markets & Services, Investment theory and Portfolio Management, Basic Econometrics, Behavioral Finance) for the new UG BMS Programme of FMS, DU (introduced w.e.f 2013-14)
- Convener of the Finance Module (two papers), member of Quant Module (five papers) for the undergraduate BA (H) Bus.Economics Programme under Choice Based Credit System implemented w.e.f July 2015

Workshops and Discussions Organized

- Two Workshops on 'R Programming' in the College (Sep 23-24 2015 & Oct 2016)
- Organized the following workshops for the Department of Business Economics (University of Delhi) and also acted as Workshop Convener/Coordinator:
- Workshop on Quantitative Techniques in Business: Oct 2009
- Workshop on Emerging Issues in Finance : Feb 2009
- Workshop on Asian Emerging Markets: Growth and Prospects : Jan 2007
- Organized the following Discussions for the Department of Business Economics (University of Delhi) and Kautilya Foundation, Delhi
- Discussion on Union Budget 2008.
- Managing Foreign Exchange Reserves in context of Globalisation
- Discussion on the Direct Tax Code 2009

Details of Orientation Refresher Courses

- 3 week refresher course in Management from Jamia Millia Islamia
- 3 week refresher course in Bus. Economics by CPDHE (Univ. of Delhi)
- 4 week orientation programme by CPDHE (Univ. of Delhi)
- 4 week orientation programme by Jamia Millia Islamia
- One week workshop on R and Econometric tools at Delhi Technological University

Short Courses and Programmes Attended

- 9 month Prog. in Entrepreneurship from NIESBUD, Govt. of India .
- 3 month programme in Computers from NIIT
- 1 week FDP on 'E' Resources at SRCC, New Delhi.
- 1 week Workshop on 'R' and Econometric tools at DTU
- 3 day programme on Statistical Package for Social Sciences (SPSS) by SSCBS
- 2 day programme on Computational Techniques at SGTB Khalsa College
- 2 day programme on CETP, by IIPM
- 5 Day Workshop on Research Methodology in Fin. Markets at Dept of Fin. Studies, DU
- 2 Day Workshop on Emerging Issues in Accounting and Finance Research in India at Dept of Financial Studies University of Delhi

Miscellaneous

- External Evaluator for PhD candidates
- Invited as an expert for MBA/MBE/MFC/BBS Viva for a number of Universities.
- BBE College Seminar Coordinator for the academic sessions 2004-07. Organized thirty (30) Seminars and two workshops during this period.
- Worked in a number of Research Projects at ICRIER and Institute of Economic Growth.
- Other Adjunct/Visiting Faculty assignments: Shaheed Sukhdev College of Business Studies (University of Delhi), Dept of Financial Studies (Purvanchal University) , Gargi College (Banking and Financial Services)
- Life Member : Kautilya Foundation, a body of academicians to promote academic interests.

Notes (1)* *Only co-authors of Journals have been provided , For co-authors of conference proceedings, kindly refer the google scholar link or contact by mail.*

(2) For UGC approved Journals, Only Journals Included in UGC Care List (Group I and II) have been considered, exact matching of dates for these has however not be carried out.

(3) Links for research papers have been provided, for link for other research papers, conference proceedings/chapters in books kindly contact by mail address provided

*(4) Standard Citation styles have **not** been followed for research papers.*

E&OE

Signature of Faculty Member