

CURRICULUM VITAE

DR. GOBINDA PRASAD SAMANTA

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Flat No. FF-58, Reserve Bank Staff Quarters, Besant Nagar, Chennai - 600 090, India
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PERSONAL DETAILS

DATE OF BIRTH : 24 July 1965

NATIONALITY : Indian

SEX : Male

MARITAL STATUS : Married (One Child)

EDUCATION

- | | |
|-------------------------|---|
| 2014 (Sep-Dec) | King's Chevening Gurukul Leadership Programme - King's Professional & Executive Development Course (Under the UK Government's Prestigious Chevening Gurukul Scholarship 2014 on 'Leadership and Excellence'), King's College, London, UK (http://www.kcl.ac.uk). |
| 2006-2007 (One Year) | Visiting Scholar, Centre for International Development, John F. Kennedy School of Government, Harvard University, Cambridge, USA (http://www.hks.harvard.edu). |
| 1998-2000 | Ph.D. (Economics) - Department of Economics, University of Mumbai, India, 2002 - Thesis submitted in December 2000 (http://www.mu.ac.in). |
| 1987-1989 | M.Stat (Master of Statistics), Indian Statistical Institute, Kolkata, India (http://www.isical.ac.in). |
| 1983-1986 | B.Sc (Honours in Statistics), University of Calcutta, Kolkata, India (http://www.caluniv.ac.in). |
| 2011 | CAIIB (Certified Associate of the Indian Institute of Bankers), Indian Institute of Banking and Finance (www.iibf.org.in). |

AWARDS, PRIZES, HONOURS AND RECOGNITIONS

NATIONAL/INTERNATIONAL AWARDS

- 2015 **Recipient** (*National Award*) - The Prestigious Prof. Manubhai M. Shah Memorial Award (MMSMA) for the year 2015 announced by the Indian Commerce Association (ICA). The award will be given in Nov. 2015.
- 2014 **Recipient** (*UK Government's Scholarship*) - Prestigious UK Government's Scholarship "Chevening Gurukul Scholarship on Leadership and Excellence, 2014, Hosted at King's College London, UK during Sep. 11, 2014 - Dec. 05, 2014.
- 2008 **Recipient** (*National Award*) - V.K.R.V.Rao Prize in Economics for the year 2006 - Awarded, in collaboration, by the Indian Council of Social Science Research (ICSSR) & the Institute of Social Change, India
- 2007 **Recipient** (*National Award*) - Mahalanobis Memorial Medal Award (National) for the Year 2006 - The Award given by The Indian Econometric Society (TIES), once in two years, for Contribution in 'Quantitative Economics'.
- 2006 **Nomination** (*National Award*), Finalist for the National Award in the Honour of Prof. C.R.Rao, 2006 for contributions in the Area of 'Official Statistics' (given by the Ministry of Statistics and Program Implementation, GoI, in every alternate year).

WINNER - BEST/OUTSTANDING RESEARCH PAPER AT CONFERENCES/SEMINARS

- 2013 **Winner**, Outstanding Paper Award, Capital Markets Conference, December 19-20, 2013, Indian Institute of Capital Markets, Navi Mumbai, India
- 2006 **Winner**, Best Paper Award at the National Seminar titled "Creating Enduring Indian Corporations: Lessons, Models and Challenges Ahead", March 10-11, 2006, Siva Sivani Institute of Management, Secunderabad, India.
- 2006 **Winner**, Best Paper Award, at the Conference on the Theme "Global Chess - Indian Moves", January 13, 2006 (Norsee Monjee Institute of Management Studies, Mumbai, India).
- 2005 **Winner**, Outstanding Paper Award, at The Ninth Capital Market Conference, December 19-20, 2005, Indian Institute of Capital Markets, Vashi, Navi Mumbai.
- 2005 **Winner**, Best Research Paper Award, at International Conference on Business & Finance, December 22-23, 2005, Hyderabad, India (Organised jointly by the ICFAI University, India and the Philadelphia University, USA).

FELLOWSHIPS/SCHOLARSHIPS

- 2014
(Sep-Dec) **King's Chevening Gurukul Scholarship 2014 on Leadership & Excellence** - The UK Government's Prestigious Scholarships hosted at the King's College, London.

- 2014 **Research Scholarship**, National Stock Exchange of India Ltd. (NSE) - under "NSE Commissioned Research Work".
- 2006-2007 **Visiting Scholarship**, Center for International Development, Kennedy School of Government, Harvard University Cambridge, USA, (Oct 2006 – Oct 2007).
(One Year)
- 2006 **Golden Jubilee Scholarship by RBI** – (to Pursue Higher Study Abroad).
- 2005 **Research Scholarship**, National Stock Exchange of India Ltd. (NSE) - under "NSE Research Initiatives" on Financial Markets.
- 2001 **Research Scholarship**, NSE - under "NSE Research Initiatives", to carry out research on Financial Markets.
- 1995 **Congratulatory Letter from the Reserve Bank of India (RBI)** for excellent performance in service, 1995.
- 1989 **Junior Research Fellowship (JRF)**, Council of Scientific and Industrial Research (CSIR) – carrying out research in the area of Pattern Recognition.

OTHER RECOGNITIONS

- 2006 Invited and Participated in Case Discussion as an Expert for Special Collectors Issue of the 'Business World Magazine'.
- 2000-2014 (a) Delivered Key Note Address/Valedictory Address/Special Invited Talk, at various Conferences and Seminars.
(b) Chaired sessions, panel discussions at debate competition and other forums.
(c) Member of Editorial Advisory Board for some Journals (from India).
(d) Provided Referencing Services for several research journals/conferences.
(e) Member, Advisory Board of some Research Journals/Conferences

SELECT PROFESSIONAL TRAINING UNDERGONE

(A). IN INDIA

- ❑ RISK MANAGEMENT AND BASEL III IMPLEMENTATION PROGRAMME, November 18-22, 2013, Eurofinance Training by 'Richard Flavell' conducted at RBSC, Chennai.
- ❑ DEMYSTIFYING FINANCIAL DERIVATIVES, November 12-15, 2013, Indian Institute of Management Bangalore.
- ❑ MACROECONOMIC MANAGEMENT AND FISCAL POLICY, February 23 – March 06, 2009, Joint India-IMF Training Programme (ITP) at NIBM, Pune.
- ❑ FIXED INCOME SECURITIES AND PORTFOLIO MANAGEMENT, March 24-April 5, 2003, RBI Staff College, Chennai.
- ❑ CAPITAL MARKETS, December 15-20, 1997, Bankers Training College, RBI, Mumbai.
- ❑ RESEARCH METHODOLOGY, May 30-June 11, 1994, Bankers Training College, RBI, Mumbai.
- ❑ ECONOMIC/STATISTICAL ANALYSIS & COMPUTER APPLICATION, March 18-April 2, 1991, Bankers Training College, RBI, Mumbai.

(B). OUTSIDE INDIA

- OPERATIONAL RISK SCHOOL: July 12-16, 2010, The Office of the Comptroller of Currency (OCC), Washington D.C., USA
- WORKSHOP ON INFLATION: March 19-23, 2001, Bank of England, London, UK
- ECONOMIC MODELLING & FORECASTING : May 13-17,1996, Bank of England, London, UK

EXPERIENCE - EMPLOYMENT

(A) ACADEMIC EXPERIENCE

- **HARVARD UNIVERSITY, CAMBRIDGE, USA** *10/2006 – 10/2007*
VISITING FELLOW, CENTER FOR INTERNATIONAL DEVELOPMENT (CID), KENNEDY SCHOOL OF GOVERNMENT - Conduct research and study on the following areas
 - Financial risk management and measurement
 - Capital Adequacy and Risk-Based Banking Supervision
 - Microfinance - Group Lending Scheme & related issues
 - Economic Growth, Inequality/Polarity and Poverty

- **INDIAN INSTITUTE OF TECHNOLOGY BOMBAY, MUMBAI, INDIA** *1/2004–12/2005*
ASSOCIATE PROFESSOR, SHAILESH J. MEHTA SCHOOL OF MANAGEMENT
 - Taught MBA/PH.D. Students (financial risk management, macroeconomics & quantitative techniques)
 - Guided Ph.D. scholars in the area of risk management and financial economics
 - Supervised MBA student's projects
 - Research on applied finance and economics (risk management/measurement, behavior of stock prices, derivatives pricing, forecasting, etc.)
 - Served as In-Charge of Admission to Master of Management (M.Mgt) Program
 - Served to various other committees and academic administrations

- **INDIAN STATISTICAL INSTITUTE (ISI), CALCUTTA, INDIA** *07/1989 – 09/1990*
RESEARCH FELLOW, ELECTRONICS & COMMUNICATION SCIENCES UNIT (OCT. 1989 – SEP. 1990) & *STATISTICAL TRAINEE*, (JUL. 1989 – OCT. 1989),
 - Research in the area of (i) pattern recognition, fuzzy logic; (ii) clustering and classification techniques; (iii) applied statistics, using multivariate-analysis
 - Computer Programming on various multivariate statistical tools

(B) EXPERIENCE IN CENTRAL BANK (i.e. RESERVE BANK OF INDIA)

- **RESERVE BANK STAFF COLLEGE, CHENNAI** *01/2009 TILL DATE*
MEMBER OF FACULTY – DIRECTOR/ASSISTANT ADVISER
 - Handling sessions in various training programme at RBSC and outside RBSC
 - Conducting Training Programmes/Seminars/Workshops (as Programme Director)
 - Conducting Research/Analytical Study & Writing Case Study/Paper

- **RESERVE BANK OF INDIA, DSIM, MUMBAI, INDIA** *10/2007 – 12/2008*
ASSISTANT ADVISER
 - Research on Risk Management (Measuring Risk, Stress Testing, etc.)
 - Providing Policy Inputs on Corporate Issues
 - Research on Microfinance, Inflation, etc.

- ❑ **RESERVE BANK OF INDIA, MUMBAI, INDIA** *01/2006 - 10/2006*
ASSISTANT ADVISER, OFFICE OF EXECUTIVE DIRECTOR (R B BARMAN)

 - Providing executive assistance to the Executive Director on Technical/Research Matters
 - Research on Value-at-Risk, Banking Output, Application of Data-Envelopment Analysis in efficiency assessment, etc.

- ❑ **RESERVE BANK OF INDIA (DESACS), MUMBAI, INDIA** *09/1990 -12/2003*
ASSISTANT ADVISER (DEC. 1997 - DEC. 2003) & RESEARCH OFFICER (SEP. 1990 - DEC. 1997)

 - Conducting policy analysis and providing research input for monetary policy
 - Preparing quarterly (i) 'Inflation Report' and (ii) 'Forecasts' for internal policy purposes
 - Research on risk management, economic modeling and forecasting, application of artificial intelligence technique (Neural Network, fuzzy Logic, etc.)
 - Measurement of economic variables and parameters, such as, core inflation, capacity utilization rates, indices of financial sector output and price
 - Computer programming on various analytical tools

TEACHING PORTFOLIO

(A). FULL TIME COURSES

- ❑ **FINANCIAL DERIVATIVES AND RISK MANAGEMENT - MBA/Post-Graduate and Ph.D. Students, IIT Bombay.**

- ❑ **ECONOMIC ENVIRONMENT AND POLICY (MACRO-ECONOMICS) - MBA/Post-Graduate and Ph.D. Students - IIT Bombay.**

- ❑ **STATISTICAL METHODS FOR ANALYSIS AND DESIGN - MBA/Post-Graduate and Ph.D. Students - IIT Bombay.**

- ❑ **FINANCIAL DERIVATIVES / DERIVATIVES VALUATION - Post-Graduate Diploma Students, Indian Institute of Capital Markets (IICM), Navi Mumbai.**

- ❑ **ECONOMETRICS AND STATISTICS- Post-Graduate Diploma Students, IICM, Navi Mumbai.**

- ❑ **CREDIT RATING/RISK AND ITS MODELLING, - Post-Graduate Diploma Students, IICM, Navi Mumbai.**

(B). SHORT-TERM COURSES/GUEST LECTURES AT MDP/TRAINING/WORKSHOP, ETC.

- ❑ **MONETARY POLICY FRAMEWORK - RBSC, CHENNAI / IIT MADRAS**

- ❑ **ECONOMIC INDICATORS AND POLICY - RBSC, Chennai**

- ❑ ECONOMETRICS (TIME SERIES & PANEL DATA)/ MACRO-ECONOMETRIC MODELLING AND FORECASTING (*including Time Series Analysis, Fuzzy Logic and Artificial Neural Network*), Bankers Training College, RBI, Mumbai/RBSC, Chennai.
- ❑ VALUE-AT-RISK, INTEREST RATE RISK, CREDIT RISK AND RATING, AND OPERATIONAL RISK - IDRBT, Hyderabad/RBSC Chennai / IIT Madras.
- ❑ DERIVATIVES /DERIVATIVES PRICING & VALUATION/DERIVATIVES TRADING STRATEGIES AND GREEKS - IICM, Navi Mumbai/IIT Madras
- ❑ INTEREST RATE AND YIELD CURVE MODELLING, COMMODITY DERIVATIVES, INTEREST RATE DERIVATIVES - IIT Madras/CCIL, Mumbai.
- ❑ VALUE-AT-RISK; BOND PRICING AND INTEREST RATE RISK (*including Duration and Convexity*); Risk Management and Basel II Accord -Various Training Programme at CCIL, Mumbai.
- ❑ RISK MODELLING (*including Risk Management Architecture and Basel II Accord, Value-at-Risk, Market Risk, Credit Risk, etc.*) - Reserve Bank Staff College (RBSC), Chennai/IICM Navi Mumbai.
- ❑ STATISTICS AND QUANTITATIVE TECHNIQUES - IIT Mumbai / RBSC, Chennai.

TRAINING DESIGNED/DIRECTED

Designed and Directed about 75 training programmes/seminars in following areas/subjects since Jan. 2009

- ❑ Monetary Policy
- ❑ Macroeconomic and Fiscal Management
- ❑ Risk Modelling
- ❑ Quantitative Technique and Risk Modelling
- ❑ Economic Indicators
- ❑ Integrated Treasury Inspection
- ❑ Derivatives (Basic & Advanced)
- ❑ Basic Econometrics
- ❑ Advanced Econometrics (separately for Time Series and Panel Data Analysis)
- ❑ Credit Rating Framework
- ❑ Basic Management
- ❑ Financial Markets
- ❑ Quantitative Finance

RESEARCH GUIDANCE

(A). M.MGT (MASTER OF MANAGEMENT, S.J.MEHTA SCHOOL OF MANAGEMENT, IIT BOMBAY)

- ❑ Animesh Kumar, "Credit Risk Management in Indian Banking Industry", 2005.
- ❑ Kaustav Das, "Efficiency Gains in Bank Mergers Case Study of Two Indian Bank Mergers", 2005

(B). Ph.D. at IIT Bombay

- ❑ During 2004-06, as Associate Professor at IIT Bombay, I was supervising two Ph.D. students, viz., *Shri Sanjay Kumar Thakur* and *Ms. Sangeeta Makhija*, in the broad area of Risk Management and Finance.
- ❑ Currently supervising (as co-guide) work of two Ph.D. students at IIT Bombay.

(C). In RBI

- ❑ Supervised/Guided several internal Projects, Research and Policy Analysis in RBI

ACADEMIC-ADMINISTRATION & HONORARY/VOLUNTARY SERVICES

(A). ADVISORY COMMITTEES

- ❑ Member - 'Advisory Committee' of the *International Conference on Business and Finance 2005* (Organizer: The ICFAI University-ICFAI Business School, Hyderabad in collaboration with the Philadelphia University, USA), December 22-23, 2005.
- ❑ Member - 'Advisory Committee' of the *International Conference on Business and Finance 2004* (Organizer: The ICFAI University-ICFAI Business School, Hyderabad in collaboration with the Philadelphia University, USA), December 27-28, 2004.

(B). SELECT DEPARTMENTAL/INFORMAL GROUP IN RESERVE BANK OF INDIA

- ❑ Member - Informal Group on Research Agenda
- ❑ Member - Editorial Group for Intranet Site
- ❑ Member - Research Group on Modelling Zero Coupon Yield Curve
- ❑ Member - Group on Market Risk Measurement through Value-at-Risk
- ❑ Member - Group on Risk Management and Stress Testing
- ❑ Member - Editorial Team for RBSC News and Views - The Quarterly Newsletter of the Reserve Bank Staff College (RBSC).
- ❑ Member - Editorial Team for RBSC Review - The Quarterly Journal of RBSC.

(C). ACADEMIC ADMINISTRATION

- ❑ Member - Short-term Selection Committee. School of Management, IIT Bombay
- ❑ Member - Committee on PGDM Course, School of Management, IIT Bombay
- ❑ Convenor/InCharge - Admissions Committee, School of Management, IIT Bombay
- ❑ Coordinator - Academic Time Table, School of Management, IIT Bombay
- ❑ Member - Various Syllabus Committees, RBSC, Chennai
- ❑ Programme Director (including Design) - Numerous Training Programmes

(D). PEER REVIEW/REFERRING TO JOURNALS/RESEARCH PUBLICATIONS

- ❑ Review of Financial Economics

- ❑ Journal of Forecasting
- ❑ Journal of Quantitative Economics
- ❑ Indian Economic Review
- ❑ Management Review, Indian Institute of Management Bangalore (IIMB)
- ❑ ICFAI Journal of Applied Finance
- ❑ Research Initiatives (Working Paper Series), National Stock Exchange of India Limited
- ❑ International Conference on Business & Finance, 2005 (ICFAI University & Philadelphia University)

(E). CHAIRING SESSIONS, INVITED LECTURE/SPECIAL LECTURES AT CONFERENCE/SEMINAR - SELECTED

- ❑ CHAIRING SESSION: National Seminar on Monetary Policy in India, March 29, 2011 - Department of Economics, University of Madras, Chennai.
- ❑ CHAIRING SESSION: The 47th Annual Conference of The Indian Econometric Society (TIES), January 6-8, 2011, Indore.
- ❑ *INVITED TO GIVE SPECIAL LECTURE*: Symposium on 'Statistics in Finance', in 12th Annual Conference of 'Society of Statistics, Computer and Applications' organized by the Department of Statistics, Visva-Bharati, Santiniketan, February 24-26, 2010.
- ❑ Invited BY THE 'BUSINESS WORLD' GROUP TO PARTICIPATE IN CASE DISCUSSION as an expert for its Special Collector's Issue titled "*Back to Basics - Select Case Studies*", published in March 2006.
- ❑ *CHAIRING SESSION*: NATIONAL SEMINAR TITLED "CREATING ENDURING INDIAN CORPORATIONS: LESSONS, MODELS AND CHALLENGES AHEAD" scheduled on 10th and 11th March 2006 at Siva Sivani Institute of Management, Secunderabad.
- ❑ *CHAIRING SESSION*: INTERNATIONAL CONFERENCE ON BUSINESS AND FINANCE, December 22-23, 2005 (Jointly organised by the ICFAI University and the Philadelphia University, USA) - *CHAIRING THE SESSION TITLED "CAPITAL MARKETS - I"*.

MEDIA INTERACTION

- ❑ SAMANTA, G.P. (2006), Participated in Case Study Discussion Published in *Business World, Special Collector's Issue "Back to Basics - Select Case Studies"*, March 2006.
- ❑ NAG, A. K. AND G. P. SAMANTA (1992), "Fallacious Forecast", *The Economic Times*, Monday, December 14, 1992.

COMMITTEE & WORKING GROUP

SECRETARIAT TASKS/ASSISTANT TO

- ❑ HIGH POWERED COMMITTEE ON ESTIMATION OF SAVINGS AND INVESTMENTS (Chairman: Dr. C. Rangarajan), Constituted by the Govt. of India. *and* the Sub-Committee on Estimation of Savings in Corporate Sector set up by the said High Powered Committee.
- ❑ COMMITTEE ON INFORMAL FINANCIAL SECTOR STATISTICS, *set up by* Reserve Bank of India
- ❑ WORKING GROUP ON ECONOMIC INDICATORS, *set up by* Reserve Bank of India
- ❑ TECHNICAL ADVISORY GROUP ON STATISTICS ON PRICE AND COST OF LIVING (TAC on SPCL), *set up by* Government of India

AFFILIATION TO PROFESSIONAL BODIES & ASSOCIATIONS

- ❑ Life-Member: The Indian Econometric Society (TIES)
- ❑ Life-Member: Indian Institute of Banking and Finance
- ❑ Life-Member: Indian Science Congress
- ❑ Life-Member: Society of Statistics, Computer and Applications

SELECT PUBLICATIONS & STUDIES

(A). PH.D. THESIS

- ❑ *Inflation in India: Measurement, Forecast and Some Recent Issues*, December 2000, Unpublished Ph. D. Thesis (Economics), Department of Economics, University of Mumbai, India (Admission for Ph.D. work in July 1998).

Content of the PH.D. Thesis: Above Ph.D. Thesis covers a wide spectrum of issues relating to inflation and monetary policy in India. The investigation begins with basic issues of inflation measurement and then analysed inflation behaviour under several alternative frameworks – from univariate time series analysis, to multivariate time series models, to very new concept P-star framework and an almost unexplored area for inflation in India, the Leading Indicator approach. For the purpose of monetary policy, two very current concepts, namely ‘core inflation’ and ‘inflation targeting approach of policy’ are also analysed. The thesis is organized into following nine chapters;

Chapter 1: Introduction

Chapter 2: Measurement of Inflation – Conceptual Issues

Chapter 3: Univariate Time Series Models for Inflation in India

Chapter 4: Multivariate Time Series Analysis for Modelling Inflation

Chapter 5: P-Star Model – An Empirical Validation

Chapter 6: Leading Indicators’ Approach for Inflation

Chapter 7: Core Inflation – Concept, Measurement and Policy Perspectives

Chapter 8: Inflation Targeting – Issues and Relevance for Monetary Policy in India

Chapter 9: Summary and Conclusions

(B). REFEREED JOURNALS/PUBLICATIONS

- “How Good is the Transformation-based Approach to Estimate Value-at-Risk? Simulation and Empirical Results”, NSE Working Paper, WP/16/2015, February 2015 (Under NSE’s Commissioned Research and refereed).
- “Measuring Market risk – An Application of Value-at-Risk to Select Government Bonds in India”, *Reserve Bank of India Occasional Papers*, Vol. 32, No. 1, Summer 2010, pp. 1-31 (with P. Jana, Angshuman Hait and Vivek Kumar).
- “Value-at-Risk Using Transformations to Normality: An Empirical Analysis”, in N. Jayaram and R.S. Deshpande [Eds.] (2008), *Footprints of Development and Change – Essays in Memory of Professor V.K.R.V.Rao Commemorating His Birth Centary*, Academic Foundation, New Delhi.
- “On the New Transformation-Based Approach to Value-at-Risk: An Application to Indian Stock Markets”, in Vadlamani Ravi [Ed.], *Advances in Banking Technology and Management: Impact of ICT and CRM*, IDEA Group Inc., USA, 2007. (An earlier version of the paper won the Best paper Award at the Ninth Capital Markets Conference, December 19-20, 2005, Vashi, Navi Mumbai).
- “Measuring Banking Intermediation Services: Issues and Challenges for India”, *Economic and Political Weekly*, 2007 (with R.B.Barman).
- “On Estimating Value-at-Risk Using Tail-Index: An Application to Indian Stock Market”, *The ICAFI Journal of Applied Finance*, Vol. 12, No. 6, June, 2006, pp. 5-18 (with Sanjay Kumar Thakur).
-*Won the Best Research Paper Award, at International Conference on Business & Finance, December 22-23, 2005.*
- Predicting Stock Market – An Application of Artificial Neural Network Technique Through Genetic Algorithm”, *Finance India*, Vol. XIX, No. 1, March 2005 (with Sanjib Bordoloi).
- “A Tail-Index Based Assessment of Value-at-Risk in Indian Stock Market”, *Finance Letters*, Vol. 2, Issue 5, October 2004, UK.
- “Banking Services Price Index: An Exploratory Analysis for India”, *IFC Bulletin, Irving Fisher Committee on Central Bank Statistics, International Statistical Institute*, No. 19, November 2004, pp. 110-124. An earlier version was presented in the IFC Conference - Bank for International Settlement, Basle, September 9-10, 2004 (with R.B. Barman).
- “Evolving Weak-Form Informational Efficiency of Indian Stock Market”, *Journal of Quantitative Economics*, Vol. 2, No. 1 (New Series), Vol. 18, No. 1 (Old Series), January 2004, pp. 66-75.
- “Selecting Value-at-Risk Models for Government of India Fixed Income Securities”, *ICFAI Journal of Applied Finance*, Vol. 10, No. 6, June 2004, pp. 7-29 (with Golaka C. Nath).

- "A Tale of Two Indices: The Story of the NASDAQ and the SENSEX", *Journal of Quantitative Economics*, New Series, Vol. 1, No. 1, July 2003 (Old Series: Vol. 17, No. 2, July 2001), pp. 89-101 (with Kaushik Bhattacharya).
- "Integration Between Forex and Capital Markets in India: An Empirical Exploration", *The ICAI Journal of Applied Finance*, Vol. 9, No. 6, September 2003, pp. 29-40 (with Golaka C. Nath).
- "Forecasting Inflation Rate by STAR Model: An Indian Experience", *Calcutta Statistical Association Bulletin*, Vol. 53, Nos. 211-212, September and December 2002, pp. 265-88.
- "An Application of the Fuzzy Set Theoretic Approach for Forecasting Inflation in India", *Finance India*, Vol. XV, No. 3, September 2001, pp. 855-64.
- "On Construction of A Composite Indicator for Predicting Stock Price Index in India", *Finance India*, Vol. XV, No. 2, June 2001, pp. 577-93 (with Rajashree Rajpathak) ----- THIS WORK HAS BEEN INCLUDED IN EDUCATIONAL CURRICULUM/PROGRAMS OFFERED BY THE INSTITUTE OF COMPANY SECRETARIAT OF INDIA.
- "On Efficiency of Indian Stock Market: A Statistical Re-Evaluation", *ICFAI Journal of Applied Finance*, The Institute of Chartered Financial Analysts of India, Vol. 7, No. 3, July 2001, pp. 17-28 (with R.B. Barman).
- "Construction of A Composite Leading Indicator for Tracking Inflation in India", *Economic and Political Weekly*, Special Issue "Money, Banking & Finance", Vol. XXXVI, No. 4, January 27-February 2, 2001 (with Abhay M. Pethe).
- "Prices of Financial Intermediation Services: An Index Based on Spread", *International Journal of Development Banking*, Vol. 18, No. 1, 2000 (with Kaushik Bhattacharya).
- "Economic Shocks and Relationship Between Relative Price Variability and Inflation Rate in India during 90s", *Indian Journal of Applied Economics - An International Quarterly*, special issue "Essays in Honor of Paul A. Samuelson", Vol. 8, Part-IV, October-December 2000, pp. 357-76 (with M. Bhattacharjee).
- "Are Seasonal Adjustment Method and HP-Filter Useful for Estimating Core Inflation in India?", *International Journal of Development Banking*, Vol. 18, No. 2, July-December 2000, pp. 61-77 (with M. Bhattacharjee).
- "Modelling Inflation in India - Combination of Forecasts", *International Journal of Development Banking*, Vol. 17, No. 1, January-July 1999, pp. 27-38.
- "On Forecast Performance of SETAR Model: An Empirical Investigation", *Journal of Quantitative Economics*, Vol. 15, No. 1, January 1999, pp. 89-114.

- ❑ “Core Inflation in India: Measurement and Policy Perspectives”, *Reserve Bank of India Occasional Papers*, Vol. 20, No. 1, Summer, 1999, pp. 23-53.
- ❑ “Recent Divergence Between Wholesale and Consumer Prices in India – A Statistical Exploration”, *Reserve Bank of India Occasional Papers*, Vol. 19, No. 4, December 1998, pp. 329-44 (with Sharmishtha Mitra).
- ❑ “Identification of Monetary Policy Shock and Its Effects on Output and Price: A Structural-VAR Approach”, *Reserve Bank of India Occasional Papers*, Vol. 19, No. 2, June 1998, pp. 109-28 (with A.K. Srimany).
- ❑ “Dynamics of Inflation in India and Their Modelling by Time Series Analysis”, *Reserve Bank of India Occasional Papers*, Vol. 15, No. 2, June 1994, 103-43 (with R.B.Barman and T.P. Madhusoodanan).
- ❑ “Inflation in India during the 80s – An Analytical Review”, *Economic and Political Weekly*, Vol. 29, No. 8, February 19, 1994, pp. 431-39 (with A.K.Nag).
- ❑ “Elliptic Fit of Objects in Two and Three Dimensions by Moment of Inertia Optimization”, *Pattern Recognition Letters*, Vol. 12, January 1991, pp. 1-7, North Holland (with B.B. Chaudhuri).

(C) REFERRED CONFERENCE PROCEEDINGS/VOLUME

- ❑ “Efficiency Gains in Bank Mergers - An Empirical Analysis for Two Indian Bank Mergers”, *Proceedings of the third National Seminar titled “Creating Enduring Indian Corporations: Lessons, Models and Challenges Ahead”, March 10-11, 2006*, Siva Sivani Institute of Management, Secunderabad (with Kaustav Das).
– **Winner of the Best Paper Award** in the above Seminar.
- ❑ “User Cost Approach for Production Index of Banking Services – The Case of Indian Economy”, in Das Tarun, Rajaram Dasgupta, Rohit Kumar Parmar and Ashish Saha [Eds.] (2003), *Preparation of an Index of Services Production*, National Institute of Bank Management, Pune.
- ❑ “Measuring Value-at-Risk: A New Approach Based on Transformations to Normality”, *Conference Volume/Edited-Book, The Seventh Capital Markets Conference*, December 18-19, 2003, Indian Institute of Capital Markets, Vashi, New Mumbai, India.
- ❑ “Value at Risk: Concept and Its Implementation for Indian Banking System”, *Conference Volume-Edited Book, The Seventh Capital Markets Conference*, December 18-19, 2003, Indian Institute of Capital Markets, Vashi, New Mumbai (with Golaka C. Nath).
- ❑ “Return Volatilities in Money and FOREX Markets in India: Causes and Consequences in the Liberalisation Era”, *Proceedings of the Sixth Capital Markets Conference*, UTI Institute of Capital Markets, Vashi, Navi Mumbai, December 19-20, 2002 (with A.K. Srimany).

(D). BOOK CHAPTERS

- ❑ “Value-at-Risk Using Transformations to Normality: An Empirical Analysis”, in N. Jayaram and R.S. Deshpande [Eds.] (2008), *Footprints of Development and Change – Essays in Memory of Professor V.K.R.V.Rao Commemorating His Birth Centary*, Academic Foundation, New Delhi.
- ❑ “On the New Transformation-Based Approach to Value-at-Risk: An Application to Indian Stock Markets”, in Vadlamani Ravi [Ed.], *Advances in Banking Technology and Management: Impact of ICT and CRM*, IDEA Group Inc., USA, 2007. (An earlier version of the paper won the Best paper Award at the Ninth Capital Markets Conference, December 19-20, 2005, Vashi, Navi Mumbai).
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