

Brief Curriculum Vitae

Biswa Nath Bhattacharyay, BS(HONS), MS, PHD(USA)

PERSONAL INFORMATION



Name: Biswa Nath Bhattacharyay

Citizenship: Indian with Permanent Residency of Canada since 1997

Canada: Apt 1010, 65 Sherbrooke East, Montreal, QC, Canada H2X 1C4

India: Apt 22E, Tower 2, Rosedale Garden Complex, Action Area 3, Block 3, Newtown, Kolkata, India 7000160

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A. ACADEMIC ACHIEVEMENTS

He obtained with top ranks and scholarship for academic excellence:

- (i) **PH. D from Iowa State University, USA,** and
- (ii) **BS (Hons) and MS from the Indian Statistical Institute.**

He completed:

- (iii) **Leadership Development Program:** By Professor Robert Bontempo of Columbia University Business School, Asian Development Bank, Manila;
- (iv) A course on **Results Based Management, and a course on “Results Based Country Assessment Strategy (CAS)”** at CAS Academy, World Bank, Washington D.C;
- (v) An executive program on a **Mediation, Negotiation and Conflict Management** conducted by Harvard Institute, USA; and
- (vi) Executive training programs in strategic management, economic and financial analysis, financial policy research and evaluation, financial risk management, bank supervision and regulation.

B. HIGHLIGHTS OF MAJOR PROFESSIONAL EXPERIENCE

- He has considerable (more than **30 years including 15 years tenure with the Asian Development Bank (ADB) and ADB Institute** and quality professional experience in Asia and the Pacific, North America, and the Middle East in multi-disciplinary areas, particularly,
 1. **international development;**
 2. **International and Financial Economics**
 3. **Business, financial sector development**
 4. **central and commercial banking and finance.**
- At present, he is
 1. **visiting professor of University of International Business Economics, Beijing**
 2. **Team Leader consultant of Asian Development Bank (ADB) project on Financial Sector Development and Stability and**
 3. **Fellow of University of Munich and Ifo Institute, Munich..**
- He has considerable experience in the formulation, coordination, implementation and evaluation of international development programs, policy analysis, research, teaching, training, PHD/MS thesis guidance and capacity building. He designed, coordinated, implemented and managed several large-scale development programs and projects, such as lending and technical assistance projects/programs, flagship research projects, consultancy, teaching/training, executive development programs and technical assistance program for capacity building) in many Asian, North America and Middle Eastern economies.
- He was the **Task Manager and Principal Author of the following flagship studies:**
 - (i) **the pioneering ADB/ADBI's Flagship Study "Infrastructure and Regional Cooperation" with a budget of \$ 1.5 million with 30 background papers and was the principal author of the book, "Infrastructure for a Seamless Asia" (top downloaded book of ADB Institute).**
 - (ii) **Task Manager and the editor (jointly with Masahiro Kawai, Dean of ADBI, Rajat Nag, Managing Director General of ADB) of ADB/ADBI's edited book "Infrastructure for Asian Connectivity"- to be published by Edward and Elgar, April 2012 and**
 - (iii) **ADB/ADBI's major flagship study "Role of Asian Emerging Economies: ASEAN, China and India for a Sustainable, Resilient and Balanced Asia: 2030" with a budget of \$ 1.4 million with 35 background papers and the Principal Author of the book on "ASEAN¹, China and India: Great Transformation.**
- He was also an advisor to the ADB/ADBI's flagship study, "**Climate Change and Green Growth in Asia**". He is also an editor and principal author (jointly with Dean Kawai, ADBI and Managing Director General Nag, ADB) and task manager of the book *Infrastructure for Asian Connectivity* published by Edward Elgar in April 2012 and the editor of the edited book "**International and Regional Production Network**" (to be published by Edward Elgar).
- **He was Lead Consultant or Team Leader Consultant of:**
 - (i) **Team Leader Consultant for Asian Development Bank's Technical Assistance (TA) Capacity Building Project on Strengthening Financial Sector Development and Stability of Mongolia (since 2016);**

¹ (ASEAN: Association of Southeast Asian Economies consisting of 10 countries—Brunei, Cambodia, Indonesia, Lao PDR, Malaysia, Myanmar, Philippines, Singapore, , and Thailand, Viet Nam)

- (ii) **Lead Consultant, CAREC Institute, for Estimating Infrastructure Financing Needs for CAREC countries for 2016-2030; Year-2016**
 - (iii) **Lead Consultant, Japan Bank for International Cooperation (JBIC), Tokyo for Infrastructure Finance in Asian Emerging Countries with Main Focus on Republic of the Philippines (2013-14);**
 - (iv) **Lead Consultant with United Nations (ESCAP), Bangkok for Financing Regional Transport Infrastructure Projects for Sustainable and Inclusive Development of Asia (2013-14);**
 - (v) **Lead Consultant, Deutsche Gesellschaft fuer Internationale Zusammenarbeit (GIZ), Bonn, for How Can the Crisis Vulnerability of Emerging Economies be Reduced? (2012-2013); and**
 - (vi) **Lead Consultant, A study on South Africa's Development Cooperation: Trends, Prospects and Challenges, for 2016 South-South Cooperation Report on Changing Roles of South-South Cooperation in Global Development System: Towards 2030, Finance Center for South-South Cooperation, Hong Kong, 2017**
- He has expertise on Islamic Banking including Banking Supervision and Regulation as he published a text book on the subject.

C. RECENT POSITIONS

Current Professional Positions/Appointments:

- **Team Leader Consultant, TA Project on Mongolia, Asian Development Bank (2016- to date),**
- **Visiting Professor, Institute of International Economy, University of International Business and Economics, Beijing,**
- **Fellow of Center for Economic Studies- CESifo, joint initiative of Ifo Institute and University of Munich.**
- **Advisory Board member of the Asian Logistics Council, Kuala Lumpur, Malaysia under Global Coalition for Efficient Logistics (since 2007). and**
- **Member of Editorial Board, International Journal of Development and Conflict, World Scientific.**

Consultancy, Advisory and Other Positions

- **Team Leader Consultant, TA Project, Asian Development Bank (2016- up to date),**
- **Lead Consultant, CAREC Institute, Umrique, China (2016);**
- **Lead Consultant, Japan Bank for International Cooperation (JBIC), Tokyo (2013-14);**

- **Lead Consultant with United Nations (ESCAP), Bangkok (2013-14);**
- **Lead Consultant, Deutsche Gesellschaft fuer Internationale Zusammenarbeit (GIZ), Bonn, (2012-2013); and**
- **Member of IMF Financial Soundness Indicator Development and Compilation Committee;**

Previous Positions

1. **1998-2013:** He was the **Advisor — equivalent to Director, Office of Regional Economic Integration, Asian Development Bank (ADB)**. Manila until 7 March 2013. He worked with ADB since 1998 in several senior positions.
2. During 2007-2011, he was **Lead Professional and Special Advisor to Dean (equivalent to the position of Director) with Asian Development Bank (ADB) Institute** on secondment from ADB.
3. Prior to Joining ADBI, he worked in various positions with ADB:
 - (i) Advisor to the Managing Director General, and the Principal Reform Coordination Specialist with ADB's Office of the President,
 - (ii) Senior Economist with Office of Regional Economic Integration,
 - (iii) Senior Policy and Strategy Specialist with Strategy and Policy Department and
 - (iv) Statistician, Economic Research Department.
4. Visiting/part time professor (teaching part time):2007-2011, with
 - Tokyo University;
 - The National Graduate Institute for Policy Studies (GRIPS), Tokyo (founded in 1997 as a national graduate university focused on policy studies),
5. Senior Research Fellow and Visiting Professor, Graduate School of Business, University of South Pacific, Fiji, 2015-2016;
6. Visiting Professor, business School of McGill University, 2014-2015;

Prior to joining ADB, he was Professor with:

7. 1992-1998: Economic Advisor/Expert, Economic Policy & Research Dept., Qatar Central Bank;
8. 1989-1992: Chief Researcher and Training advisor, Kuwait Institute of Banking Studies, Kuwait Central Bank on lien from National Institute of Bank Management;
9. 1983-1992: National Institute of Bank Management of India (NIBM), on lien from Indian Statistical Institute.
10. 1986-1987: National Institute of Industrial Engineering of India (NITIE),

11. 1980-1986: Economic Research Department of Indian Statistical Institute(ISI), India;

12. 1979-1980: University of Missouri-Columbia, USA

13. 1975-1979: Instructor/Teaching Assistant with Iowa State University, USA.

D. Major Publications

Major Recent Books

- (i) Chapter on South Africa's Development Cooperation: Trends, Prospects and Challenges, for 2016 South-South Cooperation Report , Finance Center for South-South Cooperation, Hong Kong, 2017 on Changing Roles of South-South Cooperation in Global Development System: Towards 2030
- (ii) Chapter on Does Economic Growth Increase Inequality? An Empirical Analysis for ASEAN Countries, China and India in the book, Inequality, Poverty and Development in India: Focus on the North-Eastern Region, Springer, Singapore, January 2018;
- (iii) Chapter on "Strengthening Policies for Financing Transport Infrastructure Development in Asia, in the book THE ECONOMICS OF INFRASTRUCTURE PROVISIONING: THE (CHANGING) ROLE OF THE STATE, MIT Press, December 2015.
- (iv) Chapter on Rebalancing Production in Asia in the book Rebalancing for Sustainable Growth in Asia, Springer and Asian Development Bank Institute, 2015
- (v) How Can the Crisis Vulnerability of Emerging Economies be Reduced? ifo Forschungsberichte No. 65, 04 Ifo Institute for Economic Research at the University of Munich, 2014, Munich.
- (vi) Principal author/task manager of the book "ASEAN, PRC(China) and India: Great Transformation", Asian Development Bank and Asian Development Bank Institute, 2014
- (vii) Chapter on Resources and Environment Sustainability in India: A Comparative Study With People's Republic of China In the book "Business Sustainability: Challenges and Issues", Bloomsbury, 2015
- (viii) Prepared jointly as the principal author ADB/ADBI's book Highlights on "ASEAN, China and India: Great Transformation?", 2013
- (ix) Editor and contributor of 2 chapters of "Infrastructure for Pan-Asian Connectivity" (edited by Bhattacharyay, B., Kawai M. (ex-Dean ADBI), Nag R. (ex-Managing Director General, ADB), Edward Elgar, Cheltenham (UK), 2012.
- (x) Chapter on "Infrastructure Investment" in the ADB/ADBI's Flagship Book 'Rebalancing for Sustainable Growth: Asia's Post Crisis Challenge" (launched in ADB's Annual Meeting, Uzbekistan, May 2010), ADB/ADBI Publication, 2012, Tokyo
- (xi) Principal author/task manager of the book on "Infrastructure for a Seamless Asia" in Chinese, published by SSAA, Chinese Academy of Social Science 2012
- (xii) Chapter on "Strengthening Policy, Regulation and Institutions for Effective Transport Infrastructure Development in Asia", in the book on "Infrastructure for Inclusive Growth and Poverty Reduction, ADB, Manila, 2012.
- (xiii) Joint Editor and author of 2 chapters "Regional Production Network", to be published by Edward and Elgar, 2013
- (xiv) Chapter 7: Connecting South and East Asia for Pan-Asian Integration: Prospects and Challenges in the book "RENAISSANCE OF ASIA: Evolving Economic Relations Between South Asia and East Asia"(edited by Pradumna B Rana), World Scientific Publishing Co. Inc. NJ, USA and Imperial College Press, UK. September 2011
- (xv) Chapter 3 on "Macprudential Monitoring of Financial Crisis: An Empirical Framework", in the book "Governance, Development and Conflict", (edited by Manas Chatterji et al), Volume 18, of the series, C Contributions to Conflict Management, Peace Economics and Development, Macmillan Publishing Solutions, London, UK, 2011

- (xvi) Chapter on “Asian Development Solutions—Financing Infrastructure”, in the book “Insights 2011, Maximising Business Opportunities in Asia, Africa, and the Middle East— A Treasurer’s Guide”, PPP Company Limited, Standard Chartered Bank, May 2011
- (xvii) Chapter 14 on “Infrastructure Connectivity for East Asia’s Economic Integration”, in the Book “The Economics of East Asian Integration: A Comprehensive Introduction to Regional Issues”, (edited by Fujita, M. et al), Edward Elgar, Cheltenham (UK), Aug., 2011.
- (xviii) Chapter on “Impact of Energy Infrastructure Investment in Commonwealth Asia Pacific Countries”, in the book “Commonwealth Finance Ministers Reference Report 2010”, Henley Media Group, Commonwealth Secretariat, London, UK, 20 October, 2010,
- (xix) Principal author/task manager of the book on “Infrastructure for a Seamless Asia” (with 350 pages) and ADB/ADB’s pioneering Flagship Study “Infrastructure and Regional Cooperation) ADB/ADB publications. Tokyo, September, 2009.
- (xx) Principal author/task manager of the book on “Infrastructure for a Seamless Asia” in Japanese, 2010.
- (xxi) Chapter on “Achieving an Integrated ASEAN Economic Community: The Role of Infrastructure Development”, for book “ASEAN Economic Community Blueprint”, Institute of Southeast Asian Studies, Report No. 4, Singapore, 2009.
- (xxii) Chapter “Asian Economic Integration: Role of Regional Trade and Economic Cooperation Agreements” for a book of Institute of Chartered Financial Analysts of India, Dec., 2009
- (xxiii) Chapter in the Book, “Towards Greater Economic Cooperation and Integration among BIMSTEC Countries and Japan in Money, Finance and Investment”, Anthem Press, Wimbledon Publishing Company, London, January, 2007
- (xxiv) All India Savings and Deposits Trends and Patterns: A Survey of 100,000 Household and Institutions, National Institute of Bank Management, 1986.
- (xxv) Islamic Banking, University of New England, Australia, 1996.
- (xxvi) Banking Advance, Anandamayee Publication, Kolkata,

Major Recent Published Articles

1. (Co-author) A New Institutional Architecture for Financing Pan-Asian Infrastructure Connectivity, Accepted for publication, Theoretical Economic Letters, October Issue, 2018
2. (co-author), "Institutional Architecture for Financing Pan-Asian Infrastructure Connectivity", CESifo Working Paper No. 6422, March 2017
3. “Determinants of Financial Inclusion of Urban Poor in India: An Empirical Analysis”, CESIFO Working Paper No. 6096, CESifo Group Munich, Ifo Institute and University of Munich, Sept. 2016
4. "Trends and Patterns of Growth, Development, Achievements of China and India: A Comparative Analysis", CESifo Working Paper No. 5788, CESifo Group Munich, Ifo Institute and University of Munich March 2016
5. Emerging Roles of Regional and International Institutes for Enhancing Asian Infrastructure Connectivity, to be published in a book by the Peking University, 2016 (presented at the Beijing Forum, Nov 2015).
6. Asian Infrastructure Connectivity – Role of Financial Institutions was published in , “Die Volkswirtschaft” (The economy, Platform for economic policy), A Journal of the State Secretariat for Economic Affairs (SECO) and the Federal Department of Economic Affairs, Education and Research (WBF), Geneva, September, 2015.
http://dievolkswirtschaft.ch/content/uploads/2015/10/21_Dossier_DE.pdf
7. The big-picture development beyond the Asian infrastructure demand / border of over 1990 trillion yen a year", World Outlook, Globe, Asahi Shimbun, Tokyo, 19 July, 2015, <http://globe.asahi.com/worldoutlook/2015071700004.html>
8. “Achieving Sustainable Energy Security: 2030 Outlook for ASEAN, People Republic of China and India”, CESifo Working Paper No. 5457, CESifo Group Munich, Ifo Institute and University of Munich. July 2013
9. A Comprehensive Economic Partnership between India and Japan: Impact, Prospects and Challenges (co-author), Journal of Asian Economics. Vol. 39, pp 97-104, 2015.

10. Is there a Nonlinear Relationship between Economic Growth and Inequality? Theory and Lessons from ASEAN, People Republic of China and India, (Co-author) Working Paper Series, No 5377, CESifo Group Munich, University of Munich, June 2015
11. Are there any roles for social conformity and deviance in poverty? Insights from a field study on working poverty and educational investment in Bangladesh', *Journal of the Asia Pacific Economies*, Vol.19, Issue 4, December, 2014.
12. Prospects and Challenges of Integrating South and Southeast Asia, *International Journal of Development and Conflict*, Volume 3 Issue 2, December 2013.
13. Economy Wide Impact of the Trade Integration between Japan and India: A Computable General Equilibrium Analysis (co-author), CESifo Working Paper No. 4395, CESifo Group Munich, Ifo Institute and University of Munich. December 2013.
14. "Determinants of Bond Market Development in Asia", *Journal of Asian Economies*, Volume 24, February 2013, Pages 124–137.
15. "Roles of Social Conformity in Deviance in Poverty: A Study on Working Poverty and Educational Investment in Bangladesh"(co-authors), CESifo Working Paper No. 4395, CESifo Group Munich, Ifo Institute and University of Munich, September 2013.
16. "Can Money Matter in Developing Economy"(co-author), *Journal of Monetary Economics* (US), Vol. 18, 1986
17. "Can there be a Wave-Like Association between Economic Growth and Inequality? Theory and Lessons for East Asia from the Middle East", No 3953, CESifo Working Paper Series, CESifo Group Munich, University of Munich, October 2012
18. "Role of Production Networks in Sustaining and Rebalancing Asia's Growth" (co-author), CESifo Working Paper Series, No 3896, CESifo Group Munich, University of Munich July 2012
19. "Environmental Quality and Hysteresis: New Insights From Dynamic Heterogeneous Panels from China", (co-authors) submitted to *Australian Journal of Agricultural and Resource Economics*, 2012
20. "On the Dynamics of Environmental Quality, and Economic Development: The Chinese Regional Experience" (co-authors) submitted to *Journal of Asian Economies*, 2012
21. "Seamless Sustainable Transport Connectivity in Asia and the Pacific: Prospects and Challenges", *Journal of International Economics and Economic Policy*, Springer, Issue 2, 2012.
22. "Role of East Asian Economies in Addressing Global Imbalance", No. 4, *Economic Policy Papers - Wirtschaftspolitische Blätter*, Austria, Dec., 2011
23. "Can there be a Wave-Like Association between Economic Growth and Inequality? Theory, Empirics and Implications", (co-authors-) submitted to *Journal of Asia Pacific Economy*, 2011
24. Infrastructure Connectivity for an Integrated, Peaceful and Prosperous Asia-Pacific Region, Vol. 1, No. 2 (2011) pp 181–223, *International Journal of Development and Conflict (IJDC)*, World Scientific, September, 2011,
25. Benefits and Challenges of Integrating South and Southeast Asia", CESifo Working Paper Series, No 3819, CESifo Group Munich, University of Munich, May, 2012.
26. "The Role of Production Networks in Asia's Economic Development"(co-author), forthcoming CESifo Working Paper Series, CESifo Group Munich, University of Munich, 2012.
27. "Developing Infrastructure Network across in Asia", forthcoming ADBI Working paper, 2012
28. "Infrastructure Connectivity in Asia through Transport/Economic Corridors", forthcoming ADBI Working paper, 2012
29. The Role of Production Networks in Economic Development of Asia, forthcoming ADBI Working paper, 2012
30. "Bond Market Development in Asia: An Empirical Analysis of Major Determinants", ADBI Working Paper Series, No. 300, ADB Institute, Tokyo, July 2011
31. "Toward a Sustainable Transport Development in Asia and the Pacific", CESifo Working Paper No. 3539, CESifo Group, Munich University, Munich, July 2011
32. "Financing for Asian Infrastructure: Policy Options", *Research Policy Brief*, No. 33, ADB Institute, Tokyo, July, 2011
33. "Institutions for Asian Connectivity", *Journal of International Commerce, Economics and Policy*, Vol. 1, No. 02, pages 309-335, 2010, World Scientific Co, October, 2010
34. Estimating Demand for Infrastructure in Energy, Transport, Telecommunications, Water and Sanitation in Asia and the Pacific: 2010-2020, No. 248, ADB Institute Working paper, September 2010

35. Financing Asia's Infrastructure: Modes of Development and Integration of Asian Financial Markets, No. 229, ADB Institute Working paper, July 2010
36. "Infrastructure for ASEAN Connectivity and Integration", Vol. 27, No 2, ASEAN Economic Bulletin, 2010
37. "An empirical analysis on prospects and challenges of BIMSTEC-Japan trade integration," (co-author) Journal of Asian Economics, Elsevier, vol. 18(3), pages 509-536,. Rutgers University, May-June, 2007, New Jersey.
38. "Early Warning System for Economic and Financial Risks in Kazakhstan," (Co-authors). CESifo Working Paper Series 2832, CESifo Group Munich, University of Munich, 2009.
39. "Towards a Macroprudential Surveillance and Remedial Policy Formulation System for Monitoring Financial Crisis", Working Paper no. 2803, CESifo WP Series, University of Munich, Munich, October, 2009.
40. "Prospects of India–Bangladesh Economic Cooperation: Implications for South Asian Regional Cooperation", ADBI Discussion Paper No: 78, ADBI, Tokyo, September, 2007
41. "Gains and Losses of India-China Trade Cooperation – a Gravity Model Impact Analysis" (co-author), CESifo Working Paper Series 1970, CESifo Group Munich, University of Munich, April 2007
42. "Free Trade Agreement between People's Republic of China and India: Likely Impact and Its Implications to Asian Economic Community", Discussion Paper Series No. 59, Asian Development Bank Institute, Tokyo, November 2006.
43. "Prospects of Regional Cooperation in Trade, Investment and Finance in Asia: An Empirical Analysis on BIMSTEC Countries and Japan", (co-author) CESifo Working Paper Series 1725, CESifo Group Munich, University of Munich, May 2006
44. "Understanding the Latest Wave and Future of Regional Trade and Economic Cooperation Agreements in Asia", CESifo Working Paper No. 1856, Center for Economic Studies and Ifo Institute for Economic Research, University of Munich. November, 2006, Munich.
45. "Towards Greater Economic Cooperation and Integration among BIMSTEC Countries and Japan in Money, Finance and Investment", Center for Studies in International Relations and Development Discussion Paper Series No. 18, July 2006, Calcutta.
46. "Promotion of Trade and Investment between China and India: Toward a Regional Perspective", (co-author) Asian Development Review, Volume 22, No. 1, 2005, Asian Development Bank, Manila
47. "Promotion of Trade and Investments between China and India: The Case of Southwest China and East and Northeast India," (co-author), CESifo Working Paper Series 1508, CESifo Group, Munich, July 2005.
48. "A quantitative Framework for Macroprudential/Financial Soundness Analysis for Economic/Financial Vulnerability", Irving Fisher Committee (IFC) Bulletin, Nov. 2004, Netherlands.
49. "Leading Indicators for Monitoring the Stability of Asset and Financial Markets in the Asia and Pacific", Asia Pacific Development Journal, UN, Bangkok, Vol. 1, No. 2, Dec, 2002.
50. "Implications of the Asian Crisis on Estimating Internationally Comparable National Income", Briefing Note Series, No. 15, ADB, 1999.
51. "Precision in Liquidity Risk Management: A Segmented Approach", Savings & Development, Quarterly Review, Vol. 29, No. 4, Milan, Italy, 1998
52. "Recent Trends in Globalization and Its Impact on GCC Member Countries & Strategy Implications", "Proceedings of International Management Development National Conference", New Orleans, US, Nov. 6-10, 1997.
53. "Bank Determinant Selection Criteria: An Arabian Gulf Experience", Canadian Journal of Marketing Research, Toronto, Canada, Vol. 15, 1996.
54. "Financial Resource Mobilization Planning in Less Developed Countries", Savings & Development, Quarterly Review, Vol. 21, No. 4, Milan, Italy, 1997.
55. "Prospects of Privatization in the Gulf Countries and Its Strategy Implications", Proceedings of International Conference on "Globalization and Market Economy: The Challenges of Change(Co-author: Prof. C P Rao, Eminent Scholar & William B Sponge Chair, Virginia, Old Dominion Univ., US), New Delhi, Dec. 28-30, 1996.
56. "Trend in Privatization in the Arab World and Its Problems and Prospects", Savings & Development, Quarterly Review, Vol. 19, No. 4, Cariplo, Milan, Italy, 1995.
57. "The Prospects & Challenges Facing GCC Banks and Future Policy Directions and Strategies", International Journal of Bank Marketing, Vol. 13, No. 1, MCB University Press, Bradford, U.K, 1995.

58. "Banking Behavior of Institutional Customers in India", Savings & Development, Quarterly Review, Vol. XIX, No. 1, Cariplo, Milan, Italy, 1995.
59. "Strategies for Privatisation in the Arab World", Arab Banking and Finance Directory, 11th Edition, Tele-Gulf Directory Publication, Bahrain, 1995-96.
60. "Banking Development in Gulf Countries and Strategies for a Future a Growth", Al Masaref Al Arabia, Journal of Union of Arab Banks, Vol. 14, No. 164, August, Beirut, Lebanon, 1994.
61. "Performance Evaluation of Rural Credit System: A Case Study in Large Less Developed Country", Savings and Development, Quarterly Review, Vol. 18, No. 2, Finafrica, Milan, Italy, 1994.
62. "Trends of Financial Deepening in GCC Countries and Future Policy Measures", Arab Banking and Finance Directory, 10th Edition, Tele-Gulf Directory Publication, Bahrain, 1994-95.
63. "Marketing a Approach to Promoting Banking Services in the 90s: Problems and perspectives" (Co-author), Economics and Political Weekly, Bombay, February, 1989.
64. "Money and Income in India: Application of Time Domain Causality Tests", Margin (The Journal of National Council of Economic and Applied Research), Oct. 1989-March, 1990.
65. "A Deposit Planning Framework at the Banking System Level in India", Engineering Costs and Production Economics, Vol. 17, Elsevier Science Pub, Amsterdam, Netherlands, 1989.
66. "Marketing Approach to Promoting Banking Services", Vikalpa (J. of Indian Institute of Management, Ahmedabad), Vol. 14, No. 2, April-June, 1989.
67. "Concepts & Trends in Productivity & Effectiveness: A Study of the Banking Industry", Manpower Journal (The Journal of Institute of Applied Manpower Research), New Delhi, Vol. 22, No. 4, Jan-March, 1989.
68. "Developing Factoring Service-A Marketing Approach", Vikalpa (J. of Indian Institute of Management, Ahmedabad), Vol. 14, No. 1, Jan-Mar, 1989.
69. "Development of Financial Infrastructure: An International Comparison", Savings and Development, Quarterly Review, Vol. XII No. 4, Finafrica, Milan, Italy, 1988.
70. "Total Quality Control - A Quality Management Approach", Special issue on Quality, Udyog Pragati, (The Journal of National Institute of Training in Industrial Engineering), July-Sept, 1988.
71. "Planning Process in Banks and other Financial Institutions: Retrospect and Prospect", Proceedings of Conference of "Chiefs of Planning," National Institute of Bank Management(NIBM), Pune, 1991.
72. "A Customer Survey on Banking Products/Services in Kuwait-A Marketing Research", Kuwait Institute of Banking Studies, Kuwait, 1992.
73. "Regional Demand for Bank Deposits", Anvesak, (a journal of The Sardar Patel Institute of Economic and Social Research) Vol. 19, Nos. 1-2, June - Dec, 1989.
74. "Evaluation of Customer Service in Banking Industry", Decision, The Journal of Indian Institute of Management, Calcutta(IIMC), Calcutta, Vol. 18, No. 1, Jan-March, 1991.
75. "Marketing Management and Innovations in the Light of Liberalisations", Prajnan, Journal of NIBM, Pune, A Special Issue on "Innovations & Liberalisation, Vol. 20, No. 4, Oct-Dec, 1991.
76. "Is Customer Service Deteriorating in Indian Banking Industry: A Quantitative Analysis", Vikalpa, The Journal of Indian Institute of Management , Ahmedabad (IIMA), Vol. 15, No. 3, July-September, 1990.
77. "Putting Customer First", Vinimaya (A Journal of National Institute of Bank Management (NIBM), Pune, Vol. 11, No. 2, April-June, 1991.
78. "Trends and Patterns of Financing in Corporate Sector: A Time Series & Cross-sectional Analysis for the Period 1970-85", Project Report, NIBM, Pune, July, 1989.
79. "Management of Bank Credit Cards: A Marketing Research", Project report, NIBM, Pune, June 1989.
80. "Concepts and Trends in Productivity & Effectiveness: A Study of the Banking Industry", Manpower Journal (The Journal of Institute of Applied Manpower Research), New Delhi, Vol. 22, No. 4, Jan-March, 1989.
81. "Developing Factoring Service-A Marketing Approach", Vikalpa (Journal of Indian Institute of Management , Ahmedabad), Vol. 14, No. 1, Jan-Mar, 1989.
82. "Development of Financial Infrastructure: An International Comparison", Savings and Development, Quarterly Review, Vol. XII No. 4, Finafrica, Milan, Italy, 1988.
83. "Total Quality Control - A Quality Management Approach", Special issue on Quality, Udyog Pragati, (The Journal of National Institute of Training in Industrial Engineering), July-Sept, 1988.

84. "All India Savings and Deposit Trends & Patterns: Highlights of a National Level Survey", Consultancy Report, National Institute of Bank Management (NIBM), Pune, India, 1986.
85. "Can Money Matter in Developing Economy"(co-author), Journal of Monetary Economics (US), Vol. 18, 1986.
86. "Behavior of Aggregate Bank Deposits and their Determinants in India"(Co-author), Prajan (The Journal of National Institute of Bank Management), Jan-March, Vol. XV, No. 11, 1986.
87. "Meeting Resources Targets: Indian Banks must Improve Competitiveness", Capital, Vol. 195, No. 4817, New Delhi, Nov., 1985.
88. "Test and Evaluation of Crop Yield Forecasting Models", Proceedings of Symposium on Statistical Methodology for Crop Forecasting & Estimation, Calcutta Statistical. Association Bulletin, Vol. 32, No. 127-128, Sept.-Dec. 1983.
89. "Change in Structure of the Urbanization of Big Cities in India- An Inter-Sectoral Comparative Analysis", Indian Journal of Regional Science, Vol. XV, No. 1, 1983.
90. "An Inter-State Analysis of Purchasing Power of Rupee", Journal of National Income & Wealth, Vol. 6, 1982.
91. "Trends in Production and Export of Jute Goods in India", Capital, Vol. 189, No. 4731, New Delhi, Nov. 1982.
100. "An Interclass Time Series Analysis in Sharing Gains in Productivity in Manufacturing Industries" (Co- author), Indian Journal of Labour Economics, Vol. XXIV, No. 4, Jan. 1982.
- "Estimation & Forecasting of Explosives Auto-regressive Process with Time Dependent Auto-covariance Structure", Proceedings of the Statistical Association Golden Jubilee International Conference on Statistical Applications & New Directions, Sankhya(The Journal of Indian Statistical Institute), Calcutta, Dec. 1981.
101. "An Essay on Indicators of Development" (Coauthor), Decision (J. of Indian Institute of Management Calcutta), Vol. 8, No. , Oct. 1981.
102. Varying Parameter Stochastic Difference Equations", Proceedings of the Business the Business and Economic Statistics Section, Journal of American Statistical Association, Washington D C, 1978

E. RECENT CONSULTANCY ASSIGNMENTS

Recently, he undertook the following major consultancy assignments:

- 1. Team Leader, Client: Asian Development Bank, Title: TA-9180 MON: Supporting Financial Sector Development and Stability - Financial Sector Modelling for Financial Stability, Year- 2016-up to date**

Scope of Work: The consultant will serve as the team leader to guide, coordinate, and supervise the inputs of each individual consultant in the team and take the responsibility for delivering all outputs regarding financial stability frameworks of the TA and managing associated meetings and workshops. In addition, the consultant will lead efforts to support the development of financial stability analytical tools and models;

Main project features: Detailed Tasks and/or Expected Output

(i) Lead design and creation of basic analytical capability and tools to assess policy proposals within Financial Stability Council (FSC) Secretariat.

(ii) Prepare a report with recommendations on applicable best practices to apply in Mongolia based on a review of international literature on alternative models and tools used to assess financial stability policy decisions';

(iii) Review of existing quantitative and qualitative analysis produced by the Secretariat and prepare detailed recommendations for improvement;

(iv) Support preparation and testing of a model to assess policy impacts and financial system vulnerabilities including creation of related quantitative mechanisms and data needs. Prepare related user documentation and guides with examples.

(v) Prepare inception, interim, draft final and final reports, roadmaps and recommendations.

(vi) Prepare mitigation and policy proposals which will explore policy instruments capable of address risks through

- Household & corporate sector's tools
- Liquidity & structural tools;

(vi) Prepare mitigation and policy proposals which will design macroprudential policy proposal through (i) Assessment, mitigation tools options, (ii) Expected outcome, policy options, decision;

(vii) Prepare a coordination and communication framework for Secretariat/ BOM in terms of the

- Coordination within the Bank of Mongolia (BOM)
- Cooperation with the Ministry of Finance (MOF) and Financial Regulatory Commission (FRC)
- Communication to parliament and public
- Revision of the Financial Stability Report;

(viii) Support preparation of a study tour/training course to ADB member countries in Asia or Europe for capacity building of FSC Secretariat staff, and counterpart staff of other departments of BOM, MOF and FRC;

(ix) Facilitate establishment of ongoing communication between the Secretariat and similar entities in representative countries;

(x) Provide education and by managing workshops for the Secretariat and counterpart staff in FRC and MOF to facilitate discussion, knowledge transfer, and coordination mechanisms; and

(xi) Oversee the work of the national consultant.

2. Team Leader, Client: Finance Center for South-South Cooperation, Hong Kong, Title: A study on South Africa's Development Cooperation: Trends, Prospects and Challenges, for 2016 South-South Cooperation Report, Year: 2017
3. Team Leader, Client- CAREC Institute. Title: Estimating Infrastructure Financing Needs for CAREC countries for 2016-2030; Year-2016;
4. Team Leader, Client: Japan Bank for International Cooperation (JBIC), Title: Infrastructure Finance in Asian Emerging Countries with Main Focus on Republic of the Philippines; Year: 2013 to 2014;
5. Team Leader, Client: UNESCAP, Bangkok, Title: Financing Regional Transport Infrastructure Projects for Sustainable and Inclusive Development of Asia. Year- January-September 2013.; and
6. Team Leader, Client: Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH, Germany. Title: How Can the Crisis Vulnerability of Emerging Economies be Reduced?, Year: 2013-2014

Main project features: Detailed Tasks and/or Expected Output

- A. **Typologies for Different Economic Crises and Relevance for Emerging Countries**
- B. **Impact of Crises on Economic and Social Indicators of Emerging Economies, Conclusions for**
- C. **Experience from Crises in Latin America with Focus on Mexico**
- D. **Experience from Eastern European Transformation and later Financial Crises with Focus on Estonia**
- E. **Comparing the Emerging Country Cases**
- F. **Policy Measures for Crisis Prevention and Crisis Management in Economically Developed Countries with Focus on Germany**
- G. **Experience from other Economically Developed Countries**
- H. **Conclusions from Developed Country Analysis and Repercussions for Emerging Countries**
- I. **The Importance of Crisis Monitoring- and Early Warning Systems**
- J. **Conceptual Basis for Selection of Systems**
- K. **Important International Institutions-based Systems and Concepts**
- L. **Recommendations for Emerging Countries**
- M. **Changed Crisis Origination**
- N. **Indebtedness and Loss of Financial Credibility as Key Factors for Modern Crisis Vulnerability**
- O. **General Crisis Management Concepts**
- P. **Specific Policy Instruments and**
- Q. **Crisis Risk and Performance Monitoring Requirements**

6. Team Leader, Client: Ifo Institute, Title: Early Warning System for Economic and Financial Risks in Kazakhstan. Year: 2009-10;

7. Lead Consultant, a study on Chapter on South Africa's Development Cooperation: Trends, Prospects and Challenges, for 2016 South-South Cooperation Report , Finance Center for South-South Cooperation, Hong Kong, 2017 on Changing Roles of South-South Cooperation in Global Development System: Towards 2030

8. OTHER CONSULTANCY ASSIGNMENTS

Undertook consultancy assignments for (i) USDA, (ii) US Bureau of Census, (iii) Central Banks of Kuwait, Qatar, Nepal & India, (iv) Kuwait Commercial Bank, (v) Indian Banks Association, (vi) Indian Institute of Bankers, and (vii) State Bank of India,

F. MAJOR ACHIEVEMENTS AND ACCOMPLISHMENTS IN OTHER AREAS

- Dr Biswa has been invited to speak at the prestigious **Beijing Forum, 6-8 Nov 15** on regional and international cooperation where many Nobel Laureates spoke on earlier occasions.
- His proposal for an **Asian Infrastructure Financing Bank** in the book "Infrastructure for Asian Connectivity" leads to the establishment of Asian Infrastructure Investment Bank.
- As a keynote speaker, he delivered a paper on "**Toward a Long-term Roadmap of Regional Physical Connectivity: Role of Asia Infrastructure Bank/Fund and Asia Infrastructure Forum**", 2014 Pacific Economic Cooperation Council (PECC) Singapore Conference on **New Priorities of Regional Economic Integration—Mandate for APEC, Singapore, 10-11 Feb 2014.**

- As a keynote speaker, he has represented ADB in many high-level regional and international for a, conferences, seminars and workshops such as **APEC, ASEAN, Pre G-20 Meetings, WB Infrastructure Summit, & Conference of Americas**. He has been invited to speak at the prestigious **Beijing Forum, 6-8 Nov 15** on regional and international cooperation where many Nobel Laureates spoke on earlier occasions.
- For example, as a keynote speaker, he delivered a paper on **“Toward a Long-term Roadmap of Regional Physical Connectivity: Role of Asia Infrastructure Bank/Fund and Asia Infrastructure Forum”**, 2014 Pacific Economic Cooperation Council (PECC) Singapore Conference on New Priorities of Regional Economic Integration—Mandate for APEC, Singapore, 10-11 Feb 2014.
- He was involved in preparing research documents for APEC and G-20. I was invited as a **Lead Speaker on Conference on Global Cooperation for Sustainable Growth and Development: Views from G20 Countries - Delhi** (jointly sponsored by ICRIER, India, IMF, World Bank, Chatham House, London, Konrad Adenauer Stiftung (KAS), Germany, and ADB Institute, Tokyo in New Delhi, 13-14 September, 2011.
- He was invited by the **APEC Business Advisory Council** to present as a guest speaker on “Infrastructure Financing” at the Meeting of the Advisory Group on APEC Financial System Capacity Building, **APEC Summit**, 11-12 Nov 2009, Singapore.
- He was invited by **National Bureau of Economic Research (NBR)** as a panel member for the panel discussions on “Regional Collaboration: How to Fill the Gaps”, at the **NBR Pacific Energy Summit: ENERGY SECURITY AND ECONOMIC GROWTH IN THE ASIA-PACIFIC: Innovation, Markets, and Smart Policies for a Low-Carbon Future**, Tokyo, November 3-5, 2009.
- He coordinated, managed, and raised fund for several large flagship research and capacity building projects. He has also established closed links with multilateral institutes, top think tanks, academic and government institutions, policy makers world-wide. He has jointly designed, managed and implements projects with several top academic and research institutions world-wide, such as **Peterson Institute, Brookings Institutes, IMF Institute, World Bank Institute, Chinese Academy of Social Science, RIS** and **ICREIER** of India
- He was the **Task Manager and Principal Author of**
- **the pioneering ADB/ADBI’s Flagship Study “Infrastructure and Regional Cooperation” with a budget of \$ 1.5 million and was the principal author of the book, “Infrastructure for a Seamless Asia” (top downloaded book of ADB Institute)..**
- ADB/ADBI’s major flagship study **“Role of Asian Emerging Economies: ASEAN, China and India for a Sustainable, Resilient and Balanced Asia: 2030”** with a budget of \$ 1.4 million and the **Principal Author of the book on “ASEAN², China and India: Great Transformation.**
- He was also an advisor to the ADB/ADBI’s flagship study, **“Climate Change and Green Growth in Asia”**. He is also an editor and principal author (jointly with Dean Kawai, ADBI and Managing Director General Nag, ADB) and task manager of the book ***Infrastructure for Asian Connectivity*** published by Edward Elgar in April 2012 and the editor of the edited book **“International and Regional Production Network”** (to be published by Edward Elgar).

² (ASEAN: Association of Southeast Asian Economies consisting of 10 countries—Brunei, Cambodia, Indonesia, Lao PDR, Malaysia, Myanmar, Philippines, Singapore, , and Thailand, Viet Nam)

- He has published more than **100 articles and working papers** in renowned peer reviewed international journals and working paper series (such as *US Journal of Asian Economies*, *US J. of Monetary Economics*, *Journal of the Asia Pacific Economies*, *US J. of International Economics and Economic Policy*, *Austrian Journal of International Commerce, Economics and Policy*, *Wirtschaftspolitische Blätter (Economic Policy Papers, Austrian)* *Irving Fisher Statistics (IFS) Bulletin, Netherlands*, , *Asia Development Review*, *International J of Development and Conflict*, *Economic Policy Papers*, *J. of American Statistical Association*; *Sankhya*, *J. of Indian Statistical Institute*, *J. of Regional Sciences*, *UN Journal on Asia Pacific Development*, *Canadian J. of Marketing Research*, *UK International Journal of Bank Marketing* and *J. on Engineering Costs and Production Economics*, *J. of National Income and Wealth*, *ASEAN Economic Bulletin*, *CESifo*, *J. of Infrastructure Development*, *Arab Banking and Finance*). He has also published **31 books/book chapters**, many project/consultancy reports, ADB Board papers and research papers.
- He has also **guided several PHD/MS students** and developed several executive management programs/courses for top management of industries. He has long teaching and research experience in economics, management, econometrics and quantitative methods/statistics. He has offered many management courses in the area of strategic management and planning and service marketing and marketing research.
- **He liaised, communicated, coordinated and conducted joint research projects, programs, executive training, capacity building activities**
 - (i) With high-level Government officials (such as, Ministries of Finance, Planning, Economics and Commerce, and Central Banks), heads of think tanks and civil societies, such as chamber of commerce, NGOs of ADB member countries,
 - (ii) With International Organizations including Peterson Institute, Booking Institute, AFDB, AusAID, WB, IMF, BIS, AMF, OECD, UN ESCAP, UNDP, ECB; ILO, AMF, Australian Statistics Office, and Bundesbank, GIZ and Subregional Cooperation Organizations, e.g., ASEAN Secretariat, CAREC and the SAARC; the Greater Mekong Region cooperation, and Central Asian Regional Economic Cooperation, JBIC, JICA in Japan,
 - (iii) Implemented several ADB'S county capacity building technical assistance jointly with UN ESCAP, IMF, UNDP and OECD and in close in collaboration with IMF, and BIS;
 - (iv) Major think tanks of Asian countries such as CASS, CAS in China and ICRIER, RIS, IIFT in India PRI in Japan and ISAS in Singapore and
 - (v)
 - (vi) Major international think tanks such as Peterson Institute and Brooking Institute.

G. Major Recent Large Projects/Studies/Publications Undertaken:

1. Task Manger of “Infrastructure and Regional Cooperation” with a budget around \$1.5 million (2007-2010)

- As the Task Manager, he successfully developed, designed coordinated, managed implemented and finalized and the **ADB/ADBI’s Flagship Study on “Infrastructure and Regional Cooperation”** with the production of 30 background papers;
- The study covers 44 DMCs of the Asia and Pacific, Japan and Brunei ; and transport, energy, telecommunication, water and Sanitation;

- Played a leading and pivotal role in the preparation and the principal author (prepared 3 chapters) of the final book of the pioneering ADB/ADBI flagship book, **“Infrastructure for a Seamless Asia” with 350 pages, and 6 chapters which is the top downloaded knowledge product of ADBI websites since 2009**
- Publication of **Infrastructure for a Seamless Asia in Japanese and Chinese versions.**
- The book received strong attention from senior policy makers, academics, private sector experts with (i) 50,000 downloads in the first month since its posting on ADBI’s website in September 2009, (ii) Infrastructure investment estimates of the book quoted in the joint statement APEC Finance Ministers’ Meeting and *APEC sponsored a large body of work to support economies’ efforts to design and launch public private partnership schemes* new initiatives for infrastructure investment, (iii) ASEAN initiated a similar infrastructure fund as proposed in the study and developed a Master Plan for Connectivity based on the findings of the book;(iv) due to popular demand, the **Japanese and Chinese versions** have been published
- Led a study team of more than 50 renowned multidisciplinary professionals (academics, practitioners, ADB/ADBI staff, and private sector experts) and conducted 5 conferences and several meetings for obtaining feedback from Asian developing country policy makers and experts in Japan, India, China, Philippines and Thailand.
- Coordinated the dissemination of the major findings of the study at (i) *the Regional Meeting on Aid for Trade for Asia and the Pacific: Global Financial Crisis, Export-Led Growth, and Aid for Trade: Focus on the ASEAN Experience in Siem Reap, Cambodia on 28-29 May 2009* and (ii) *the 15th Annual Conference: Adapting to New World Order* organized by the *International Economic Forum of the Americas in Montreal, Canada on 8-11 June 2009*, (iii) *the Inter-American Development Bank, Washington D.C. on 21 September*, (iv) *ADBI, Tokyo on 29-30 September* (v) *ISAS, Singapore, February, 2010*, (v) *TDRI, Bangkok, May 2010*, (vi) *AFDC, Beijing, May 2010* and (vii) *RIS, New Delhi.*
- Editor of a book **“Infrastructure for Asian Connectivity”**, based on the background papers to be published by Edward Elgar (2009-2011).

5. Task Manager of the ADBI/ADB study “Role of Asian Emerging Economies: ASEAN, China and India for a Balanced, Sustainable, and Resilient Asia (ACI)” with budget of around \$1.4 million (2010-2013)

- As the Task Manager, he is implementing the study with a team of more than 40 renowned academics, practitioners, ADB/ADBI staff, and private sector experts.
- Prepared jointly and published ADB/ADBI’s Highlights of the book: **ASEAN, China and India: Great Transformation?**
- Organized and coordinated three workshops and several meetings in Beijing, Tokyo, Delhi and Manila.
- Organized and coordinated a seminar on **The Rise of a ASEAN, China and India and Japan**, Tokyo, November, 2011 jointly with **Asahi Shinbum newspaper**;
- **Coordinated the launch of the executive summary of the ACI book by ADB President Kuroda at ADB’s Annual Meeting, May 2012, Manila;**
- **Prepared three chapters of the book jointly:**
 - (i) **Engines for Growth and the productivity and in ASEAN, China and India(ACI)**
 - (ii) **Energy and Water Security and the Environmental Sustainability in ACI**
 - (iii) **Conclusions and recommendations: Toward a Balanced, Sustainable and Resilient ASEAN, China and India in 2030**
- **Prepared 6 background papers jointly:**
 - 1. Achieving Social Inclusion in ASEAN, China and India**
 - 2. Integrating India to International/Asian Production Network: Prospects and Challenges**
 - 3. Developing Infrastructure Network across in ASEAN, China and India**
 - 4. Infrastructure Connectivity through Transport/Economic Corridors**
 - 5. The Role of Production Networks in Economic Development of ACI**
 - 6. Achieving Water and Energy Security**
 - 7. Role of Regional Production Network in Economic Development**

6. Advisor of the ADB/ADB's flagship study on "*Climate Change and Green Asia*" with a budget around \$1.1 million (2010- 2012).

7. Task Manager and the editor (jointly with Masahiro Kawai, Dean of ADBI, Rajat Nag, Managing Director General of ADB) of ADB/ADB's edited book "*Infrastructure for Asian Connectivity*"- to be published by Edward and Elgar, April 2012 (2010-2012);

8. Task Manager, ADBI/Peterson Institute's Joint Project on "*Implications of the Rise of ASEAN, People Republic of China and India for the World Economy*" of budget around \$360,000(2011- up to date)-Prepared two chapters for the book

9. Task Manager, and joint editor, of ADB/ADB's edited book "*Regional Production Network*", to be published by Edward and Elgar, (2011- up to date).

10. Coordinator (joint) of the Joint (ADB and Ministry of Transport, China) International Workshop on "*Intelligent Transport System*" in Tianjin, 20-22 July 2011.

I. DEVELOPMENT OF MANAGEMENT EDUCATION, EXECUTIVE TRAINING AND TEACHING PROGRAM

- **As a professor or Training Program Director, Developed new management course, technical courses and executive training program and taught at;**
 1. Asian Development Bank- Executive Training Program on Economic and Financial Monitoring of ASEAN Economies and China for ASEAN and China MOF and Central Banks staff
 2. Tokyo University -Asian Economics, Development and Integration
 3. GRIPS, Tokyo- Asian Economics, Development and Integration
 4. IMF Institute- Compilation, Analysis and Interpretation of Financial Soundness and Macprudential Indicators
 5. Business School, McGill University. Montreal-Strategic/Economic Management of Developing/Emerging Economies
 6. Business School, University of South Pacific, Fiji-Business Economics and Business Analytics
 7. Indian National Institute of Bank Management, Pune
 8. Economic Research Department, Indian Statistical Institute, Kolkata
 9. Indian National Institute of Training in Industrial Engineering
 10. University of Missouri, Columbia

- **Developed, coordinated and conducted executive several training/ educational programs, seminars/ conferences, and a MBA Banking & Finance for senior management;**
 1. "Strategic Management", for executives of commercial banks & financial institutions, NIBM, Duration: 4 days.
 2. Time a Series Analysis and Forecasting", and "Applied Econometrics" for graduate students, Economics Dept., Indian Statistical Institute, Calcutta, India-Duration: One semester-one semester

3. "Bank/Service Marketing" and "Strategic Planning", for Bank Management(MBA) Postgraduate Programme (18 months duration), National Institute of Bank Management(NIBM), Pune, India, Duration: One semester each.
 4. "Business Forecasting and Applied Statistics", for Post Graduate Students, University of Missouri -Columbia, US- Duration: One semester
 5. "Marketing of Banking /Financial Services" for top management of commercial banks & financial institutions, NIBM, Pune, India, Duration: 7 days.
 6. Bank Management Program for Senior Bank Officers, NIBM, Duration 9 months;
 7. "Management Education Programme for Bankers" for senior managers of commercial banks & financial institutions, NIBM, Pune, India, Duration: 10 weeks.
 8. "Marketing of Banking Services with special reference to Emerging Financial Services" for top and senior management of commercial banks and financial Institutions, NIBM, Pune, India, Duration: 7 days.
- **Programme/Course Director for Developing Coordinating and Conducting in Kuwait Institute of Banking Studies, Kuwait Central Bank, NIBM and National Institute for Training in Industrial Engineering**

- Marketing and Selling of Financial Services
- New Product Management in Banks
- Costing of Banking Services
- Customer Service/Service Quality Management
- Pricing of Banking Services
- Application of Marketing Research in Financial Services
- New Technological Product Innovation in Banking
- Selling & Negotiation Skills
- Retail Banking

Duration: 4-10 days and for senior/middle level bank executives at Institute of Banking Studies, Kuwait Central Bank

- "Strategic Marketing", for top management of commercial banks & financial institutions, NIBM, Duration:7 days.

- "Techniques of Manpower Planning" for middle management of commercial banks and financial institutions, Duration: 10 days, NIBM, Pune, India.

- "Conference of Chief of Planning on Strategic Planning" for senior executives of banks & financial institutions, NIBM, Duration: 3 days.

- "Research Methodology" for postgraduate MBA students, National Institute for Training in Industrial Engineering, Bombay, India, Duration: one semester.

H. RESEARCH GUIDANCE

Gguided 16 Ph.D./MS/MBA students in US, India, Malaysia and Australia (in applied economics, accounting, banking, and finance; poverty; marketing and strategic management, applied econometrics and strategic planning) for Monash University (KL), Western Sydney University, and University of New England, Australia; University Utara Malaysia, Multimedia University, National Institute of Bank Management, Pune University, University of Missouri-Columbia, USA

SELECTED PHD THESIS

- (i) PHD Fellow Guide/Supervisor (PHD equivalent under Pune University) for Dr. Y R Murthy on "Determinants of Level & Growth of Deposits in Indian Commercial Banks: A Macroeconomic Approach", NIBM Fellow Thesis, NIBM, 1983-86;
- (ii) External PHD Guide for Dr Sudin Haron, "Determinants of Islamic Bank Profitability", Ph.D Thesis submitted to Dept. of Accounting & Financial Management, University of New England, Armidale, Australia, 1993-96;
- (iii) External Ph.D. Examiner for Dr. Santha Vaithilingam, "The Role of Commercial Banks in the Economic Growth of Selected ASEAN Countries", Faculty of Management, Multimedia University, Malaysia, 2002;
- (iv) Member of the PHD Committee for Dr. W. P. Benzamin for the thesis "Accounting Policy Interventions and the Behavior of Securities Returns", Business School, University of Missouri , Columbia, U.S.A., 1979-80.
- (v) PHD Thesis examiner of Mustafa Abdur Rahman, PHD Thesis, "Working Poor in Bangladesh: An Attempt at Understanding its Nature and Causes", University of Western Sydney. Sydney, Australia, 2010.

SELECTED MS THESIS

- (vi) MS Thesis Guide/Supervisor for Mr. S.S. Nagraj, Manager, Andhra Bank on "Evaluation of Credit Card Scheme in Andhra Bank", thesis for Post Graduate Bank Management Programme(MBA)- No. VIII, NIBM, Pune, 1986-92;
- (vii) MS Thesis Guide/Supervisor Guide for Mr. R. Upendran, Manager, Oriental Bank of Commerce(OBC), on "Study of Customer Service in Oriental Bank of Commerce with a special reference to Metropolitan Branches", thesis for Post Graduate Bank Management Programme - No. VIII, NIBM, Pune, 1986-89;
- (viii) MS Thesis Guide/Supervisor for Ms. S. Gopinathan on "Strategic Marketing of Products & their Promotion in the Banking Sector", thesis for MBA at Pune University, Pune, 1986;
- (ix) MS Thesis Guide/Supervisor Project Guide for Mr. Stephen K. Kirui on "Bank Marketing in Developing Countries", thesis for MBA at Pune University, Pune, 1988;
- (x) MS Thesis Guide/Supervisor for Ms. Vaishali Dalvi on "A Study of Manpower Planning for Vysya Bank with special reference to Recruitment, Training & Productivity ", thesis for MPM(Personnel Management), Pune University, Pune, 1988;
- (xi) MS Thesis Guide/Supervisor for Mr. B. P. Sethuram, Manager, Canara Bank on "Study of Marketing of Cancard: Problems & Prospects ", thesis for Post Graduate Bank Management Programme, No. IX, NIBM, Pune, 1988-89;
- (xii) MS Thesis Guide/Supervisor for Mr. S W Pusegaonkar, Manager, Bank of India on "Bank Management-A Study to Improve Operational Management in Very Large Branches", thesis for Post Graduate Bank Management Programme-No. XII,NIBM, Pune, 1990-91.
- (xiii) MS Thesis Guide/Supervisor for Mr. V Rangarajan, Manager, Syndicate Bank on "Long Range Strategic Plan for Syndicate Bank" thesis for the Post Graduate Bank Management Programme, No. VI, NIBM, Pune, 1986-92,

APPENDIX

Articles/Books of Dr Biswa Nath Bhattacharyay in the areas of Financial Sector Development and Stability

1. "Determinants of Bond Market Development in Asia", Journal of Asian Economies, Volume 24, February 2013, Pages 124–137.
2. Financing Asia's Infrastructure: Modes of Development and Integration of Asian Financial Markets, No. 229, ADB Institute Working paper, July 2010
3. "Early Warning System for Economic and Financial Risks in Kazakhstan," (Co-authors). CESifo Working Paper Series 2832, CESifo Group Munich, University of Munich, 2009.
4. "Towards a Macroprudential Surveillance and Remedial Policy Formulation System for Monitoring Financial Crisis", Working Paper no. 2803, CESifo WP Series, University of Munich, Munich, October, 2009.
5. "Towards a Macroprudential Surveillance and Remedial Policy Formulation System for Monitoring Financial Crisis", Working Paper no. 2803, CESifo WP Series, University of Munich, Munich, October 2009.
6. "Can Money Matter in Developing Economy"(co-author), Journal of Monetary Economics (US), Vol. 18, 1986
7. "A quantitative Framework for Macroprudential/Financial Soundness Analysis for Economic/Financial Vulnerability", Irving Fisher Committee (IFC) Bulletin, Nov. 2004, Netherlands.
8. "Leading Indicators for Monitoring the Stability of Asset and Financial Markets in the Asia and Pacific", Asia Pacific Development Journal, UN, Bangkok, Vol. 1, No. 2, Dec, 2002.
9. "Implications of the Asian Crisis on Estimating Internationally Comparable National Income", Briefing Note Series, No. 15, ADB, 1999.
10. "Precision in Liquidity Risk Management: A Segmented Approach", Savings & Development, Quarterly Review, Vol. 29, No. 4, Milan, Italy, 1998
11. "Bank Determinant Selection Criteria: An Arabian Gulf Experience", Canadian Journal of Marketing Research, Toronto, Canada, Vol. 15, 1996.
12. "Financial Resource Mobilization Planning in Less Developed Countries", Savings & Development, Quarterly Review, Vol. 21, No. 4, Milan, Italy, 1997.
13. "The Prospects & Challenges Facing GCC Banks and Future Policy Directions and Strategies", International Journal of Bank Marketing, Vol. 13, No. 1, MCB University Press, Bradford, U.K, 1995.
14. "Banking Behavior of Institutional Customers in India", Savings & Development, Quarterly Review, Vol. XIX, No. 1, Cariplo, Milan, Italy, 1995.
15. "Strategies for Privatisation in the Arab World", Arab Banking and Finance Directory, 11th Edition, Tele-Gulf Directory Publication, Bahrain, 1995-96.

16. "Banking Development in Gulf Countries and Strategies for a Future a Growth", Al Masaref Al Arabia, Journal of Union of Arab Banks, Vol. 14, No. 164, August, Beirut, Lebanon, 1994.
17. "Performance Evaluation of Rural Credit System: A Case Study in Large Less Developed Country", Savings & Development, Quarterly Review, Vol. 18, No. 2, Finafrica, Milan, 1994.
18. "Trends of Financial Deepening in GCC Countries and Future Policy Measures", Arab Banking & Finance Directory, 10th Edition, Tele-Gulf Directory Publication, Bahrain, 1995.
19. "Marketing a Approach to Promoting Banking Services in the 90s: Problems and perspectives" (Co-author), Economics and Political Weekly, Bombay, February, 1989.
20. "Money and Income in India: Application of Time Domain Causality Tests", Margin (The Journal of National Council of Economic and Applied Research), Oct. 1989-March, 1990.
21. "A Deposit Planning Framework at the Banking System Level in India", Engineering Costs and Production Economics, Vol. 17, Elsevier Science Pub, Amsterdam, Netherlands, 1989.
22. "Development of Financial Infrastructure: An International Comparison", Savings and Development, Quarterly Review, Vol. XII No. 4, Finafrica, Milan, Italy, 1988.
23. "Planning Process in Banks and other Financial Institutions: Retrospect and Prospect", Proceedings of Conference of "Chiefs of Planning," National Institute of Bank Management(NIBM), Pune, 1991.
24. "A Customer Survey on Banking Products/Services in Kuwait-A Marketing Research", Kuwait Institute of Banking Studies, Kuwait, 1992.
25. "Regional Demand for Bank Deposits", Anvesak, (a journal of The Sardar Patel Institute of Economic and Social Research) Vol. 19, Nos. 1-2, June - Dec, 1989.
26. "A Deposit Planning Framework at the Banking System Level in India", Engineering Costs and Production Economics, Vol. 17, Elsevier Science. Amsterdam, Netherlands, 1989.
27. "Concepts and Trends in Productivity & Effectiveness: A Study of the Banking Industry", Manpower Journal (The Journal of Institute of Applied Manpower Research), New Delhi, Vol. 22, No. 4, Jan-March 1989.
28. "Developing Factoring Service-A Marketing Approach", Vikalpa (Journal of Indian Institute of Management , Ahmedabad), Vol. 14, No. 1, Jan-Mar, 1989.
29. "Development of Financial Infrastructure: An International Comparison", Savings and Development, Quarterly Review, Vol. XII No. 4, Finafrica, Milan, Italy, 1988.
30. "All India Savings and Deposit Trends & Patterns: Highlights of a National Level Survey", Consultancy Report, National Institute of Bank Management (NIBM), Pune, India, 1986
31. "Evaluation of Customer Service in Banking Industry", Decision, The Journal of Indian Institute of Management, Calcutta(IIMC), Calcutta, Vol. 18, No. 1, Jan-March, 1991.
32. "Marketing Management and Innovations in Banking Sector in the Light of Liberalisations", Prajnan, Journal of NIBM, Pune, A Special Issue on "Innovations & Liberalisation, Vol. 20, No. 4, Oct-Dec, 1991.

33. "Is Customer Service Deteriorating in Indian Banking Industry: A Quantitative Analysis", Vikalpa, The Journal of Indian Institute of Management , Ahmedabad (IIMA), Vol. 15, No. 3, July-September, 1990.