

Alokesh Barua

Age 68 years

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Educational Qualification:

<u>Year</u>	<u>Certificate/Degree</u>	<u>College/Institution</u>	<u>Subject</u>
1968	H.S.L.C	Gurdon H. S. School, Nalbari	Science
1971	B. Sc	Cotton College, Gauhati University	Economics (H)
1973	M. A	Allahabad University	Economics
1979	Ph. D	Jawaharlal Nehru University	Economics

Scholarships/ Fellowships Awarded:

- 1973-78: Awarded the Reserve Bank of India scholarship for Ph. D in International Trade at the School of International Studies, JNU.
- 1983-84: Awarded the **Commonwealth Scholarship** to visit the Warwick University U.K for a year for post – doctoral research.
- 1995-96: Awarded the **Fulbright Scholarship** to visit the University of Michigan, Ann Arbor, USA, for a year for post doctoral research.
- 2006 Awarded the DFG scholarship, Germany to visit **Johannes Gutenberg University**, Mainz, Germany, for six weeks.

Teaching Experience, JNU:

1979:	Joined as Assistant Professor in Economics at the Centre Diplomacy, International Law and Economics (CSDILE), School of International Studies (SIS), Jawaharlal Nehru University (JNU), New Delhi, India.
1987	Associate Professor in Economics, CSDILE, SIS, JNU.
1998 – 2018	Professor , Economics, CSDILE (Now CITD), SIS, JNU.
1 st January 2019	Retired from JNU.

Post- Retirement Engagements:

I am the treasurer and one of the founding members of the non-governmental organization, **The Association for Environment and Development Research (AEDR)** based in New Delhi. This organization is mostly involved in research and outreach activities for which it receives funds from various funding sources viz. Ministries, Govt. of India, British High commission, State Governments of India such as Nagaland Govt., the WTO studies and the Indian Council of Social Sciences Research. For details please refer to the website of AEDR www.aedr.org.

Administrative Responsibilities:

1. Treasurer, AEDR since 1997 and continuing.
2. Dean, SIS, JNU, May – July 2014.
3. Chairperson, CITD, 2010 – 2012.
4. Chairperson, CSDILE, 2003 – 2005.
5. Warden, Jhelum Hostel, 1985-1987.
6. Warden, Narmada Hostel, 1987 – 1988.
7. Warden, Kaveri Hostel, 1988 – 1994.

Members of learned bodies:

1. Member, University Court, JNU.
2. Member, Academic Council, JNU
3. Member, Executive Council, JNU
4. Member, Board of School, School of International Studies, JNU.
5. Member, Board of the School, School of Social Sciences, JNU.
6. Member, Board of the School, School of Languages, JNU.

Teaching and Research guidance at JNU:

Courses Offered:

Theories of International Trade and Welfare (Masters and Ph. D levels);

Natural Resource Economics (Masters Level);

Environmental Economics (Masters Level)

M. Phil/Ph. D Research Guidance:

Over 15 students have completed their M. Phil dissertations under my supervision. Around 6 students have completed their Ph. D under my guidance and currently 1 student is working for Ph. D under my supervision.

Visiting Lecture Program:

1. Visiting Fellow at the University of **Duisburg, Germany**, April, 2008.
2. Invited to deliver a week-long intensive lecture in INTERNATIONAL TRADE THEORY AND POLICY (MSc in International Economics and Trade) at **Belarus State Economic University**, Belarus organized by the HTW, Berlin and DAAD in November 5 – 10, 2012.

Publications:

1. Books:

1. Alokesh Barua (eds.), 1992, *Global Order: Recent Changes and Responses*, Lancer Books, New Delhi, India.
2. Alokesh Barua (with M. Agarwal, S. K. Das and M. Pant), eds., 1998, *Indian Economy in Transition: Environmental and Development Issues*, Har-Anand Publications, New Delhi, India.
3. Alokesh Barua (eds.), 2005, *India's North East: Developmental Issues in a Historical Perspective*, Manohar – CHS Publication, New Delhi.
4. Alokesh Barua and R. M. Stern, 2010, *The WTO and India: Issues and Negotiating Strategies*, Orient Black Swan, New Delhi.
5. Alokesh Barua (forthcoming), *Natural Resource Economics: A Capital Theoretic Approach*, Springer.

2. Papers in Journals:

1. Alokesh Barua, Bishwanath Goldar and Muskaan Narang (2018), “Oligopoly and Price Discrimination: Firm Size and Exports in an Open Economy” in **Firms’ Strategic Decisions: Theoretical and Empirical Findings** (Volume 3), Edited by Kazuhiro Ohnishi, **Bentham e Books**, PP. 237 – 253.
2. Alokesh Barua and Priyanta Ghosh (2017), “Factor Specificity and Wage Inequality in a Developing Economy: The Role of Technology and Trade in Indian Manufacturing”, **International Review of Economics and Finance**, Volume 52, November 2017, PP. 77-90.
3. Alokesh Barua et al (2016), “Do Technological Conditions of Production Explain Industrial Growth? The Indian Manufacturing, 1998–1999 to 2007–2008” by Alokesh Barua, Bishwanath Goldar, Himani Sharma, Priyanta Ghosh published in **Journal of Quantitative Economics**, 23 September 2016, Springer (Online).
4. Alokesh Barua and Aparna Sawhney (August 2015), “Development Policy Implications for growth and regional inequality in a small open economy: The Indian case”, **Review of Development Economics**, 19 (3), pp. 695 – 709, 2015.
5. Alokesh Barua and Manoj Pant (2014), “Trade and wage inequality: A specific factor model with intermediate goods”, **International Review of Economics and Finance** 33, pp. 172 – 185.
6. Alokesh Barua (with Debashis Chakraborty and Hariprasad C. G), (2012), “Entry, Competitiveness and Exports: Evidence from the Indian Firm Data”, **Journal of Industry, Competition and Trade**, February, pp. 1 – 23.
7. Alokesh Barua (with Pavel Chakraborty), (2010), “Does Openness Affect Regional Inequality? A Case Study for India”, **Review of Development Economics**, 14 (3), 447 – 465.
8. Alokesh Barua (with Santosh Das), (2008), “Perspectives on Growth and Development in the Northeast: The Look East Policy and Beyond”, in **Margin – The Journal of Applied Economic Research** 2: 4: 327 – 350.
9. Alokesh Barua (with M. Agarwal), (2004), “Entry Liberalization and Export Performance: A Theoretical Analysis in a Multi-market Oligopoly Model”, **Journal of International Trade & Economic Development**, Vol. 13, No. 3, Sept. 2004, pp. 287 – 303.
10. Alokesh Barua (with S. K. Das), (1996), “Regional Disparity, Economic Growth and Liberalization: A Study of the Indian Economy”, **Journal of Development Studies**, 32 (3): 364 – 390.

11. Alokesh Barua (with M Pant), (1995), “Internal liberalization and entry in a general equilibrium model with oligopoly”, **Keio Economic Studies**, pp. 47 – 58.
12. Alokesh Barua (with S. K. Das), (1995) “Application of entropies in the estimation of production function from pooled samples”, **The Journal of Quantitative Economics**, July, Vol. 11, No. 2, pp. 157 – 166.
13. Alokesh Barua (with M Agarwal), (1994), “Effects of entry in a model of oligopoly with international trade”, **Journal of International Trade & Economic Development**, Vol. 3, No. 1, 1994, pp. 1 – 13.
14. Alokesh Barua (with M Agarwal), (1993), “Trade policy and welfare in segmented market”, **Keio Economic Studies**, Vol. XXX, No. 2, 95 – 108.

3. Chapters in edited books:

1. Alokesh Barua, Bishwanath Goldar and Muskaan Narang (2018), “Oligopoly and Price Discrimination: Firm Size and Exports in an Open Economy” in **Firms’ Strategic Decisions: Theoretical and Empirical Findings** (Volume 3), Edited by Kazuhiro Ohnishi, **Bentham e Books**, PP. 237 – 253.
2. Barua, Alokesh (2017), “India’s Entry to the ASEAN: Some Implications for the Northeast” published in **Rethinking Economic Development in Northeast India: The Emerging Dynamics** edited by Deepak K. Mishra, Vandana Upadhyay, Routledge, Taylor & Francis, 2017.
3. Barua, Alokesh and Devasmita Jena, (2015) “Trade and Welfare Implications of the India-ASEAN Regional Cooperation: An Empirical Analysis from the North-East Perspective” in S. S. Gill edited **India’s North-East and Asiatic South-East: Beyond Borders**, CRRID, 2015.
4. Alokesh Barua, (2012), “Regional Trade Arrangements and the WTO: Implications for India with special reference to the Northeast” Published in Lianzela, R. S. Ratna and Vanlal Chhawna ed. **India-ASEAN Integration: Challenges and Opportunities for India’s North East** Macmillan India Ltd, 2012, pp. 1 – 22.
5. Alokesh Barua (with Robert M. Stern), 2010, “Introduction”, in A. Barua and R. M. Stern ed. **The WTO and India: Issues and Negotiating Strategies**, **Orient Black Swan**, New Delhi, pp. 1 – 27.
6. Alokesh Barua (with D. Chakraborty and Pavel Chakraborty), 2010, “Trade and Industrial Performance since the WTO Reforms: What Indian Evidences Suggest?” in A. Barua and R. M. Stern ed. **The WTO and India: Issues and Negotiating Strategies**, **Orient Black Swan**, New Delhi, pp. 142 – 169.

7. Alokesh Barua (with Pavel Chakraborty), 2010, "Trade Liberalization and Income Inequality: An Analysis of Inter – Regional Income Inequality in India" in A. Barua and R. M. Stern ed. The WTO and India: Issues and Negotiating Strategies, Orient Black Swan, New Delhi, pp. 347 – 371.
8. Alokesh Barua (with M. Agarwal), 2007, "Firm and Industry Response to Liberalization in India: Theory and Evidence" in Huchet Jean – Francoise, Richet, Xavier and Ruet, Joel (eds.), Globalization in China, India and Russia: Emergence of National Groups and Global Strategies of Firms, Academic Foundation, pp. 153 – 177.
9. Alokesh Barua, 2005, "The Northeast: What it conveys?" in A. Barua edited, India's Northeast: Developmental Issues in a Historical Perspective, Manohar-CSH Publication,
10. Alokesh Barua, 2005, "The rise and decline of the Ahom dynastic rule: A suggestive interpretation" in A. Barua edited, India's Northeast: Developmental Issues in a Historical Perspective, Manohar-CSH Publication.
11. Alokesh Barua, 2005, "Trade, history and development: The tea plantation in 19th century northeast India" in A. Barua edited, India's Northeast: Developmental Issues in a Historical Perspective, Manohar-CSH Publication.
12. Alokesh Barua (with Arindam Bandyopadhyay), 2005, "Structural change, economic growth and regional disparity in the north-east: regional and national perspectives" in A. Barua edited, India's Northeast: Developmental Issues in a Historical Perspective, Manohar-CSH Publication.
13. Alokesh Barua (With S.K. Das), 1998, "Economic Growth, Regional Inequality and Inefficiency: The Indian Experience" published in Agarwal et al edited Indian Economy in Transition: Environmental and Development Issues, Har-Anand Publications, New Delhi, India, 1998.
14. Alokesh Barua, "The RTAs and India's Entry into the ASEAN: Some Implications for the Northeast", Submitted for a book to be edited by Dr. Vandana Upadhyay, Rajib Gandhi University, Itanagar, forthcoming

4. Discussion / working papers:

1. Alokesh Barua and Devasmita Jena, (2018) "Trade, Structural Transformation and Income Convergence: Empirical Evidence from the EU and the ASEAN" CITD Discussion Paper, 1804.
2. Alokesh Barua and Priyanta Ghosh (2015), "On Wage Inequality, Trade and Technology: Theory and Empirics", CITD Discussion Paper DP 1509.

3. Alokesh Barua, Biswanath Goldar and Himani Sharma (2015), "The Role of Technological Conditions of Production in Explaining India's Manufacturing Growth, 1998-00 to 2007-08: Some Policy Perspectives", CITD Discussion Paper 1504.
4. Alokesh Barua and Manoj Pant (2013), "Trade and Wage Inequality: A Specific Factor Model of Trade with Intermediate Goods", Centre for International Trade and Development, Jawaharlal Nehru University, New Delhi Discussion Papers.
5. Alokesh Barua & Aparna Sawhney, 2011 "Structural Change, Economic Growth and Trade: Case for Regional Reallocation of Investment in India," Centre for International Trade and Development, Jawaharlal Nehru University, New Delhi Discussion Papers 10-06, 2011.
6. Barua, Alokesh & Chakraborty, Debashis & Hariprasad, C. G., 2010. "Entry, Competitiveness and Exports: Evidence from Firm Level Data of Indian Manufacturing," MPRA Paper 22738, University Library of Munich, Germany.
7. Robert M. Stern & Alokesh Barua, 2010. "India and the WTO: Issues and Negotiating Strategies (Description and Table of Contents)," Working Papers 604, Research Seminar in International Economics, University of Michigan.
8. Alokesh Barua, 1985, "Production function: A Survey of the estimates for Indian manufacturing", Discussion Paper, No. 66, Warwick University, U.K.
9. Alokesh Barua, 1987, "Increasing returns to scale and the theory of trade and welfare", Discussion Paper, No. 71, Warwick university, U. K.
10. Alokesh Barua, 1987, "The role of technical change and production conditions in explaining Indian economic growth, 1950-80", Discussion Paper, No. 73, Warwick University, UK.
11. Alokesh Barua (with M. Pant), March 1986, "India's Intra-Industry Trade, 1950-1980" Discussion Paper No. 8, International Trade and Development Division, School Of International Studies, Jawaharlal Nehru University, Delhi, India.
12. Alokesh Barua (with D. Leech), 1989, "Factor substitution and returns to scale in Indian manufacturing: A cross section analysis", Discussion Paper, ITD Division, Jawaharlal Nehru university, New Delhi, India.
13. Alokesh Barua (with M. Pant), 1991 "Trade liberalization, intra-industry trade and the Indian experience' (with M. Pant), Discussion Paper, No. 23, ITD Division, Jawaharlal Nehru University, New Delhi, India.
14. Alokesh Barua (with M. Agarwal), 1989, "Impact of external and internal liberalization policies on exports and welfare in developing countries under

- imperfect domestic markets”, Discussion Paper, ITD Division, Jawaharlal Nehru University, New Delhi, India.
15. Alokesh Barua (with M. Agarwal), 1992 “A multi-market of Oligopoly with Trade: The Limiting Behaviour” (with Agarwal), ITD Discussion Paper, J.N.U.
 16. Alokesh Barua, 1997, “Regional Inequality and Economic Growth Experience in India: Some Thoughts on the Development Strategy for a Backward Region Like Assam”. This paper was read on the occasion of launch of the Human Development Report 1997 by UNDP at Guwahati.
 17. Alokesh Barua, 1994, “Wants, Want lessness and Economics”, read on the 69th session of the Indian Philosophical Congress held at Utkal University.
 18. Alokesh Barua, “Growth and Development of the Indian Economy: From Crisis to Reform and After”, presented on the occasion of International Round Table Conference on “India and Hungary: Perspectives on the Changing World Order”, organized by The Centre for Russian, Central Asian and East European Studies, School of International Studies in cooperation with UGC, ICCR and ICSSR. Also forthcoming in a book edited by Professor Nirmala Joshi.
 19. Alokesh Barua, “Indo-Hungarian Trade: Patterns and Trends” (with S.K. Jha), presented on the occasion of International Round Table Conference on “India and Hungary: Perspectives on the Changing World Order”, organized by The Centre for Russian, Central Asian and East European Studies, School of International Studies in cooperation with UGC, ICCR and ICSSR.

5. Monographs/Reports:

1. Alokesh Barua (with Govind Rao et al), *Meghalaya Vision 2030*, NIPFP 2011.
2. Alokesh Barua (with Govind Rao et al), *NER Vision 2020*, Ministry of Development of North-eastern Region, Govt. of India, July 2008. The Prime Minister of India, Dr. Manmohan Singh had released this document on 2nd July, 2008 at Vigyan Bhavan, New Delhi.
3. Alokesh Barua (with Sandwip Das, Manoj Pant and H. Nath), *Industrialization of the Northeast India: A Framework for Appropriate Development Strategy*, (with, Institute of Advanced Studies in Science and Technology, Guwahati, March 1996 (Funded by the International Development Research Council, Canada)

6. Memorial Lecture:

Delivered the 2nd Late Dr. P. C. Goswami Memorial Endowment Lecture on **India – ASEAN Free Trade Agreement: Development Implications for the Northeast** on 1st November 2017 at Dibrugarh University, Assam.

7. Research Grant:

1. An Award of Consultancy (21st October 2014) for a Study on **Impact of Free Trade Agreements on Manufacturing Sector of India** by the Ministry of Commerce & Industry, Department of Industrial Policy & Promotion Office of the Economic Adviser (TFP Division), Govt. of India.
2. An award of a research Grant (May 2016) by the **Indian Council of Social Science Research (ICSSR)** on a project on “**The India – ASEAN Free Trade Agreement: Development Implications for the Northeast - The Look East Policy of India and beyond**”. The Grant was for a year. The project report was submitted in December 2017.
3. Invited to be an external consultant on a project on “*Measuring Import Contents of exports and outputs – A Study of India and Select Group of Countries*” by the **Centre for WTO Studies**, IIFT Bhavan, New Delhi for a period of 4 months (15 May 2018 to 30 November 2018). The report was submitted as a Working paper from the CWTOS.

8. Paper presented at National Conferences:

1. Barua, Alokesh, (2017), “India- ASEAN Free Trade Agreement – Where Assam Stands?”, presented at the **National Conference on *Paradigm of Development in the Northeast with Special Reference to Assam: The India ASEAN Free Trade Agreement***, which was held on 15 December (Friday), 2017 at Guwahati.
2. Barua, Alokesh, B. Goldar, Nimisha Mangal and Rupesh Mahala (2017), “State Capital Expenditure and Technical Efficiency of Manufacturing Plants in India, 1998-2007” presented at the NIPFP Annual Conference on **Papers in Public Economics and Policy** held on 23 – 24 March 2017 at the premise of National Institute of Public Finance and Policy (NIPFP), New Delhi.
3. Alokesh Barua, “A Need for a Paradigm Shift in our Approach to Development of the Northeast” Paper presented at UGC sponsored National Seminar on **Rural Development in Northeast India: Problems and Prospects** held in Barbhag College, Assam, 3 – 4 February, 2012.
4. Alokesh Barua, Participated as resource person at a UGC sponsored national seminar on **Economic Empowerment of Women in the north – east region: Issues and challenges in the Globalised Era**, held in Barbhag College, Assam, February 1 & 2, 2012.
5. Alokesh Barua (with Aparna Sawhney, “Trade, growth and inequality: The Role of Development Expenditure in India”, Presented at the CITD conference on **Trade, Growth and Development: Two Decades of Reforms in India and After**, held at JNU on April 3 – 4, 2012.

6. Alokesh Barua (with Debashis Chakraborty and Hariprasad C. G), “Entry, Competitiveness and Exports: Evidence from Firm Level Data of Indian Manufacturing”, Presented in CITD organized Conference on Growth and Development: Future Directions for India, 23 – 24 April 2010, held in the Committee Room, SIS, JNU.
7. Alokesh Barua, “Regional Trade Arrangements and the WTO: *Implications for India with special reference to the Northeast*” in an international seminar on Engagement of Developing Countries in Regional Trade Agreements (RTAs) – An Assessment under the UNCTAD-DFID-GOI program/project on *Strategies and Preparedness for Trade and Globalization in India* under To be held on 11 & 12 November, 2008 at the Mizoram University Conference Hall, Aizawl, Mizoram.
8. Alokesh Barua, “*The Look East Policy and the North East: New Challenges for Development*” presented at the Conference on INDIA’S LOOK EAST POLICY – CHALLENGES FOR SUB-REGIONAL COOPERATION October, 07-09, 2007 Organized by Ministry of External Affairs, Government of India Indian Council for Research on International Economic Relations, Delhi Omeo Kumar Das Institute of Social Change and Development, Guwahati.
9. Alokesh Barua, presented a paper at a conference on Vision 2020: Assam organized by the Dibrugarh University in March 2006.

Paper presented at international conferences:

1. Alokesh Barua (with Aparna Sawhney, “Trade, growth and inequality: The Role of Development Expenditure in India”, Presented at the International Conference on Trade, Growth and Development: Two Decades of Reforms and After, held at JNU in April 3 – 4, 2012.
2. Alokesh Barua (with Aparna Sawhney), “Structural Change, Economic Growth and Trade: Case for Regional Reallocation of Investment in India”, Presented at the 6th Annual Conference of Asia – Pacific Economic Association (APEA 2010), Session 6 E, on Trade, Growth and Environment: The Indian Experience in the Pre and Pro Reform Phase, held on 9 July, 2010 in Hong Kong.
3. Alokesh Barua, “Structural Change, Regional Inequality and Liberalization: An Indian Perspective”, paper presented at the 86th Southwestern Social Science Association Annual Meeting, San Antonio, Texas, April 12 – 15, 2006.
4. Alokesh Barua (with Debashis Chakraborty and Hariprasad C.G), “Entry and Competitiveness: An Unified Model of Measurement Applied to Indian Firm Data”, Presented at the 6th Annual Conference of Asia – Pacific Economic Association (APEA 2010), Session 4 C, on Empirical Studies Based on Micro Data held on 9 July, 2010 in Hong Kong.

5. Alokesh Barua (with Pavel Chakraborty), “Does Openness Affect Inequality? A Case Study of Manufacturing Sector of India”, paper presented at the International Conference on WTO, China and The Asian Economies, IV, held at the University of Business and Economics, Beijing, China, June 24 – 25, 2006.
6. Alokesh Barua (with Debashis Chakraborty), “Liberalization, Trade and Industrial Performance: An Empirical Analysis for India, presented at the APEA Conference, Seattle, July 29 – 30, 2006, organized by the Research Centre for International Economics at the University of Washington, Federal Reserve Bank of San Francisco, Freeman Program in Asian Political Economy and Lowe Institute of Political Economy of Claremont McKenna College.
7. Alokesh Barua (with Karlhans Sauernheimer and Thomas Mohr), “Globalization, Unification and Income Inequality in Europe: Some New Empirical Evidence” (with Karlhans Sauernheimer and Thomas Mohr), presented at the Joint Conference on Globalization and the Regional Economic Development, held on December 15 – 16, 2006 at Gyeong Ju, Korea.
8. Liberalization, Trade and Industrial Performance in India: An Empirical Study (with Debashis Chakraborty), paper presented in the International Seminar on “WTO Negotiations: India’s Post-Cancun Concerns” 18-19 October 2004, JNU, New Delhi

Chairing Sessions:

1. 6th IIFT Research Conference - Empirical Issues in International Trade and Finance, December 13 – 14, 2018.
2. 2nd Research Conference – Empirical Issues in International Trade and Finance, 16 – 17th December 2010, Organized by the Indian Institute of Foreign Trade, New Delhi. Chairing the Technical Session 17: Trade Theory and Policy (3) 4.15 pm – 5.15 pm, 17th December 2010, Venue: Kanchi, Ground Floor, Block I, IIFT.
3. 6th Annual Conference of Asia – Pacific Economic Association (APEA 2010) Session 5 C, 9 July 2010, Chairing the Session on Productivity and Economic Growth held in Hong Kong.

Participation at the UNCTAD Program:

On the invitation from the UNCTAD I attended a Regional Training Course on the Key Issues on the International Economic Agenda, scheduled with the International Institute for Trade and Development, in Bangkok, Thailand from 3 November 2006 to 1 December 2006.

Outreach Conference:

Under the UPOE program of JNU I had organized an outreach conference in collaboration with other institution such as ICSSR, CSH, UNCTAD, IEG and Cotton College, Guwahati on “The WTO and India: Issues and Negotiating Strategies” at Guwahati in 2004. The conference volume was published by the Orient Black Swan in 2010.

Other Activities:

Apart from teaching, research and academic interests, I am also actively involved with various social and developmental activities. I am a member of an NGO, **Association for Environment and Development Research (AEDR)** and engaged with various research and outreach activities. On behalf of the AEDR, I had organized more than 10 workshops/outreach conferences on WTO awareness in different parts of India on a project funded by the British High-commission during 2005 – 2008. I was involved with various AEDR projects on (i) Rain Water Harvesting and Industrial Pollution funded by the Delhi Government; (ii) Education and Preservation values of Zoos funded by the Zoo Authority of India; (iii) Cane and Bamboo project funded by the Ministry of Textiles, Govt. of India; and very recently in 2014 – 15 the AEDR has completed a project on Inverted Duty Structure funded by the DIPP, Ministry of Industries, Govt. of India.

Academic Collaboration with Foreign Universities:

1. On the invitation of the **Bush School of Government and Public Service and the Texas A & M University, USA**, I had coordinated a research cum outreach program for the students and the faculty of the Bush School and the Texas A & M University. About 25 students and 2 professors from the US Universities participated in the project that I had organized in SIS, JNU. I had organized this program first in January 2006 and again in January 2008.
2. On the invitation of the **Jurong Junior College, Singapore** I had organized an outreach teaching program for about 25 students from Singapore at SIS, JNU in 2010.