

Personal and Professional Indicators

NAVJYOTI SINGH

Visiting Professor

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New Delhi 110034 INDIA

PERSONAL PROFILE:

- Born 28th February 1958
- Male; Married; Two Children

EDUCATION PROFILE:

- **M.Tech.** (*Nuclear Engineering & Technology*) from Indian Institute of Technology, Kanpur, India, 1981.
- **B.Tech.** (*Mechanical Engineering*) from Indian Institute of Technology, Kanpur, India, 1979

EMPLOYMENT PROFILE:

- **Visiting Professor** since 12th September 2007 till date at INTERNATIONAL INSTITUTE OF INFORMATION TECHNOLOGY, Hyderabad and **Head**, Center for Exact Humanities, IIIT, Hyderabad.
- **Fellow** from 19th September 2002 to 18th September 2005 at INDIAN INSTITUTE OF ADVANCED STUDIES, Shimla.
- **Scientist F** since May 1998 at NATIONAL INSTITUTE OF SCIENCE TECHNOLOGY AND DEVELOPMENT STUDIES, New Delhi. (currently on leave)
- **Scientist B** in May 1983 at NATIONAL INSTITUTE OF SCIENCE TECHNOLOGY AND DEVELOPMENT STUDIES, New Delhi.

HONORARY POSITIONS:

- **Director**, PPST Foundations, Chennai, since March 1996. [PPST is a broad-based network dedicated to revitalization of traditional sciences and technologies of India]

RESEARCH INTEREST:

- *Crossroads of Science and Indian Analytic Traditions*
- *History of Ideas in Foundations of Logic, Mathematics and Linguistics*
- *Scientific Study of Consciousness*
- *Formal Ontology*

PROJECTS UNDERTAKEN:

- *Culture and Mathematics*. 1983-1988. Partial Grant from Indian Council of Philosophical Research, New Delhi, India
- *Temporality and the Indian Theoretical Tradition*. 1988-1991. Partial Grant from Indira Gandhi National Center for Arts, New Delhi, India
- *Foundations and Methodology of Theoretical Sciences (Logic, Linguistics, Mathematics and Cognitive Science) in the Indian Tradition*. 1991-1996. Grant SP-SS-002-88 from Department of Science and Technology, Government of India.
- *Working of Mind: Perspectives from Indian Analytic Traditions*. 1996-2002. Partial Grant from Indian Institute of Advanced Studies, Shimla, India.
- *Logic of Punctuator*. 2002-2005. Fellowship at Indian Institute of advanced Studies, Shimla, India.
- *Foundations of Ontological Engineering*. 2005-2007. NISTADS Project.
- *Center for Exact Humanities*. 2007-. Grant from International Institute of Information Technology, Hyderabad and Donations from Private Philanthropists.

PUBLICATIONS:

- 14 Journal Papers; 14 Essays in Books; 2 Booklets; 6 Edited Volumes; 3 forthcoming Books, 5 Mimeographs, 14 Reports.

CONFERENCE ORGANIZATION:

- 23 seminars/conferences organized.

CONFERENCE ATTENDED:

- 159 in the country and abroad, including Invited lectures delivered

OTHERS:

- Conceived and Heading, Center for Exact Humanities, International Institute of Information Technology, Hyderabad.
- Designed and taught/teaching Four courses – (1) Computational and Rational Appraisal of Indian Analytic Traditions; (2) Foundations of Ontological Engineering; (3) Topics in Ontology, and; (4) Discretist Theory of Society, History and Justice.
- Visiting Professor at Department of Philosophy, Hyderabad Central University, Hyderabad from 10th to 15th March, 2008

- Conducted 6-day Workshop on *Vaiśeṣika Formal Ontology*, at University of Hyderabad, at The Asiatic Society, Kolkata, and at Department of Philosophy, Jadavpur University, Kolkata.
 - Gave 21-day intensive course at Summer School on *Working of Mind: Perspectives from Indian Theoretical Traditions* at Indian Institute of Advanced Studies, Shimla, June 2nd to 23rd 2000.
 - Organized and nurtured two networks – (1) FAMOTSIT: Research network on *Indian Analytic Traditions*, (2) PPST Promotional network of *Congresses of Traditional Sciences and Technologies of India*.
 - Lectured in 17 universities and institutions in Sri Lanka, Russia, France, USA, Germany, Austria, Malaysia and Australia.
 - PowerPoint Presentations at 39 lecture series and seminars.
 - Supervising 7 PhDs and 2-dual degree B.Tech/MS students at IIIT, Hyderabad. Supervised 21 B.Tech. course-projects at International Institute of Information Technology, Hyderabad and 18 B.Tech. projects of Birla Institute of Technology and Science, Pilani.
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Publications

Chapters in Books

1. Navjyoti Singh (2008), “**Sense of Past: Itihas Vs. History**”, in Pawan Kumar Gupta, ed., *Remembering Dharampal, SIDH, Mussoorie*.
2. Navjyoti Singh (2007), “**Irrational in Indian and Greek Mathematical Thought**”, in G.C. Pande, ed., *A Golden Chain of Civilizations: Indic, Iranic, Semitic and Hellenic up to c. 600 BC*, Vol 1, Part 4 of *History of Science, Philosophy and Culture in Indian Civilization*, Center for Studies in Civilizations, New Delhi, 2007, pp. 874-901.
3. Navjyoti Singh (2005), “**Classical Indian Mathematical Thought in the Context of the Theories of Mind and Matter**”, in Giovanni Boniolo, Paolo Budinich and Majda Trobok eds., *The Role of Mathematics in Physical Sciences*, Kluwer Academic Publishers, Dordrecht/Boston/London, 2005, pp. 55-74.
4. Navjyoti Singh (2003), “**Role of Good Manners as a Bridge between World Religions in the Sanatana Tradition**”, in Peter Koslowski, ed., *Philosophy Bridging the World Religions: A Discourse of the World Religion*, Kluwer Academic Publishers, Dordrecht/Boston/London, 2003, pp. 66-95.
5. Navjyoti Singh (2003), “**Theory of Experiential Contiguum**”, in *Philosophy and Science: Exploratory Approach to Consciousness*, Ramakrishna Mission Institute of Culture, Kolkata, 2003, pp. 111-159.
6. Navjyoti Singh (2003), “**Role of Indology in Future Science**”, in Biswanath Banerjee, ed., *Future of Indology*, The Asiatic Society, Kolkata, 2003, pp. 158-163.
7. Navjyoti Singh (2002), “**Die Rolle des guten Benehmens als Bruecke zwischen den Weltreligionen aus der Sicht der Sanatana-Tradition (Hinduismus, Buddhismus, Jainismus, Sikhismus)**”, in Peter Koslowski, ed., *Philosophischer Dialog der Religionen statt Zusammenstoss der Kulturen im Prozess der Globalisierung*, Wilhelm Fink, Muenchen, 2002, pp. 87-126.
8. Navjyoti Singh (2000), “**What is Scientific Method and How is it Related to Sāstra?**”, in D. Prahladacharya, ed., *Sanskrita Vijñāna Vimarsa*, Rashtriya Sanskrita Vidyapitha Series No.71, Tirupati, 2000, pp. 19-41.
9. Navjyoti Singh (1995), “**Truth and Error in Classical Indian Thought**” in Ayyam Sureau, ed., *What We Do Not Know: UNESCO Philosophy Forum*, UNESCO, Paris, November 1995, pp. 34-37.
10. Navjyoti Singh (1991), “**Jain Theory of Measurement and Theory of Transfinite Numbers**”, in Anupam Jain, ed., *Proceedings of International Seminar on Jaina Mathematics and Cosmology*, DJICR, Meerut, pp. 209-238.
11. Navjyoti Singh (1990), “**Temporality and Veridical Content of Logical Structure**”, in Navjyoti Singh, ed., *Temporality and Logical Structure: An Indian Perspective*. IGNCA, New Delhi, 1990, pp. 14-26.
12. Navjyoti Singh (1990), “**Thematising Indian Perspectival Approach to the Problematic of Temporality and Logical Structure**”, in Navjyoti Singh, ed., *Temporality and Logical Structure: An Indian Perspective*, IGNCA, New Delhi, 1990, pp. xi-xxiii.
13. Navjyoti Singh (1990), “**Shape of a Living Moment: Philosophical Entailments of Anadi Kala**”, in P. K. Mukhopadhyay and Navjyoti Singh, eds., *Srsti: Its Philosophical Entailments*. IGNCA, New Delhi, 1990, pp. 11-18.
14. Navjyoti Singh (1986), “**Linguistics and Oral Tradition between the Decline of Harappan Culture and the Rise of Magadhan Culture**”. Printed as Chapter XIII and Appendix I in Debiprasad Chattopadhyay, *History of Science in Ancient India*, Vol. 1, Firma KLM, Calcutta, 1986, pp. 407-453 and 507-573.
15. Navjyoti Singh, (1984), “**Foundations of Logic in Ancient India: Linguistics and Mathematics**”, in A. Rahman, ed., *Science and Technology in Indian Culture: A Historical Perspective*, NISTADS. New Delhi, 1984, pp. 79-106.

Journal Papers

1. Navjyoti Singh (2003), “**Nature of Historical Thinking and Aitihya**”, in *Studies in Humanities and Social Sciences*, Vol. X, No. 2, pp. 1-28.
2. Navjyoti Singh (2003), “**Cultural Values and Perennial Elements**”, *Summerhill IIAS Review*, Vol. IX, No. 1 & 2, pp. 20-25.
3. Navjyoti Singh (2003), “**Sources of Indian Culture**”, *Summerhill IIAS Review*, Vol. IX, No. 1 & 2, pp. 49-51.
4. Navjyoti Singh, Anuradha Singh (2002), “**Foundational Impasse between Ayurveda and Modern Science - II**”, *Science Philosophy Interface*, Vol. 6, No.1, pp. 1-22.
5. Navjyoti Singh (2001), “**Comprehensive Schema of Entities: Vaisesika Category System**”, *Science Philosophy Interface*, Vol 5, No 2, pp. 1-54.
6. Navjyoti Singh and Anuradha Singh (1998), “**Foundational Impasse between Ayurveda and Modern Science - I**”, *Science Philosophy Interface*, Vol. 3, Number 1, pp. 38-53.
7. Navjyoti Singh (1997), “**On Tarka: Ratiocination and Veridication**”, *Science Philosophy Interface*, Vol. 2, No.1, pp. 1-20.
8. Navjyoti Singh (1990), “**Phenomenology and Indian Philosophy**”, *Journal of Indian Council of Philosophical Research*, 7(3), May-Aug. 1990, pp. 109-132. Earlier version published in *PPST Bulletin*, No. 16, September 1988, pp. 38-56.
9. Navjyoti Singh (1988), “**Jaina Theory of Actual Infinity and Transfinite Numbers**”, *Journal of Asiatic Society*, Vol. XXX No. 1-4, 1988, pp. 77-111.
10. Navjyoti Singh and Dhruv Raina (1988), “**The Jaina Theory of Motion**”, *Arhatvacana*, Vol. 1, No. 1, 1988, pp. 91-96.
11. Navjyoti Singh (1988), “**Phenomenology and Indian Philosophy**”, *PPST Bulletin*, No. 16, September 1988, pp. 38-56.
12. Navjyoti Singh and Anuradha Khanna (1986), “**Physical and Biological Notions of Jaina Cosmology**”, *Aligarh Journal of Oriental Studies*, Vol. 3, No. 2, Autumn, pp 111-124.
13. Navjyoti Singh (1986), “**Jaina Theory of Actual Infinity and Transfinite Numbers**”, *Vaishali Institute Research Bulletin*, Vol. 5, 1986, Vaishali.
14. Navjyoti Singh (1985), “**A Comparative Study of Foundations of Mathematics in India, China, Greece and Modern West**”. *PPST Bulletin*, May 1985, pp. 53-71.

Booklets

1. Navjyoti Singh (1995), *Approach Paper for the National Plan on Traditional Sciences and Technologies of India*. PPST Foundations, Chennai. 1995.
2. Navjyoti Singh (1991), *On the Limits of Ontology. First Gopinatha Bhattacharya Memorial Lecture*. Jadavpur University, Calcutta. 1991.

Edited Volumes

1. Navjyoti Singh. (ed.), *Temporality and Logical Structure: An Indian Perspective*. IGNC, New Delhi, 1990. Pages xxviii + 179 pp.
2. P. K. Mukhopadhyay and Navjyoti Singh (eds.), *Srsti: Its Philosophical Entailments*. IGNC, New Delhi, 1990. Pages xxii + 149 pp.

3. Navjyoti Singh and Sunil Sahastrabuddhey, (eds.), ***Book of Extended Abstracts: Third Congress on Traditional Sciences and Technologies of India***, Published by PPST Foundation, New Delhi. October 1998. Preface + 120 pp.
4. Navjyoti Singh, Mohan Rao, (eds.), ***Book of Abstracts: First Regional Congress on Traditional Sciences and Technologies of India: Lokvidya Andolana Sadassu***, Published by PPST Foundation, New Delhi. June 1999. Preface + 110 pp.
5. Navjyoti Singh, Arun Kumar, Krishna Gandhi, (eds.), ***Book of Abstracts: Second Regional Congress on Traditional Sciences and Technologies of India: Bundelkhand Samaja Srjana Samvada***, Published by PPST Foundation, New Delhi. November 1999. Preface + 191 pp.
6. Navjyoti Singh, (ed.), ***Revitalizing Traditional Technologies: Report to Council for Advancement of People's Action and Rural Technologies***, Published by PPST Foundation, New Delhi. July 2000. Preface + 117 pp.

Forthcoming Books

1. Navjyoti Singh (forthcoming), ***Punctuating Reality: Towards Formal Foundations of Justice, History and Society***, Indian Institute of Advanced Study, Shimla. 212 pages.
2. Navjyoti Singh (forthcoming), ***The Spirit of Reason: Reconfiguring Indic Heritage***, 280 pages.
3. Navjyoti Singh (Forthcoming), ***Mechanics of Phantasm: Antahkarana***, xiv+228 pages

Mimeographs

1. Navjyoti Singh, ***Essays and Notes – Analytic Spirit of Indian Civilisation – II***. Monograph. NISTADS, New Delhi. 1996. 154 pp. [REP-182A/96].
2. Navjyoti Singh, Anuradha Singh, ***Model of Mind***, Monograph, NISTADS, New Delhi. 1995. 106 pp. [REP-159A/95].
3. Navjyoti Singh, ***Essays on The Analytic Spirit of Indian Civilisation – I***. Monograph. NISTADS. New Delhi. 1992. 266 pp. [REP-122/92].
4. Anuradha Singh and Navjyoti Singh (eds.), Proceedings of National Seminar on ***Philosophy of Science in the Indian Context***. NISTADS, New Delhi. 1995. 312 pp.
5. Navjyoti Singh, (ed.), Proceedings of Seminar on ***Enterprise of Navya Nyaya: A Tradition of Medieval and Modern Indian Logic***. NISTADS, New Delhi. 1997. 147 pp.

Reports

1. Navjyoti Singh, ***Compilation of Papers Strengthening Prima Facie Case for undertaking of the Project on Foundations and Methodology of Theoretical Sciences in the Indian Tradition***. Mimeograph NISTADS, New Delhi, August 1988. 4 Volumes 563 pp. Reproduction of 27 research papers, compiled and submitted to Scientific and Engineering Research Council of the Department of Science and Technology, Government of India.
2. Navjyoti Singh, ***Background Information on DST sponsored Nationally Coordinated Programme on Foundations and Methodology of Theoretical Sciences in the Indian Tradition***. August 1992. NISTADS, New Delhi. 43 pp. [REP-119/92]
3. Navjyoti Singh, ***First Year Report (1991-1992) of Nationally Coordinated Programme on Foundations and Methodology of Theoretical Sciences in the Indian Tradition***. August 1992. NISTADS, New Delhi. 52 pp. [REP-121/92]
4. Navjyoti Singh, ***Second Year Report (1992-1993) of Nationally Coordinated Programme on Foundations and Methodology of Theoretical Sciences in the Indian Tradition***. September 1993. NISTADS, New Delhi. 54 pp. [REP-130A/93]
5. Navjyoti Singh, ***Final Report of FAMOTSIT Programme***. NISTADS, New Delhi. 1996. [REP-181A/96]
 - Volume 1: Studies in Foundations of Linguistics – Paninian Tradition. 8 Papers. 164 pp.
 - Volume 2: Studies in Foundations of Mathematics – Indian Algorithms and Proofs. 17 Papers. 417 pp.

- Volume 3: Studies in Foundations of Logic –*Navya Nyaya*. 12 Papers. 191 pp.
 Volume 4: Foundations of Cognitive Science – Studies in *Antahkarana*. 8 Papers. 194 pp.
 Volume 5: Epistemological Studies on Indian Theoretical Enterprise. 5 Papers. 70 pp.
 Volume 6: Philosophical Essays on Language, Knowledge and Reality. 7 papers. 146 pp.
 Volume 7: Studies on *Tattvacintamani* – Elucidation of Gangesa's Enterprise. 5 papers. 118 pp.
 Volume 8: A Study on Rationale in Mathematics – *Yukti Bhasa* of Jyesthadeva – Part 1: Malyalam Text, 284 pp.; Part 2: Sanskrit Text, 465 pp.; Part 3: Introduction and English Translation, 251 pp.
 Volume 9: Philosophical Essays on Science, Culture and Values. 12 Papers. 202 pp.

PowerPoint Presentations

Lecture Series:

1. Navjyoti Singh (2008), *Navya Vaiśeṣika*, 185 SLIDES in 15 Lecture presentations at National Workshop on *Vaiśeṣika Formal Ontology (Navya Vaiśeṣika)*, organized by Indian Council of Philosophical Research, at Philosophy Department, Jadavpur University, Kolkata, from 18th August to 29th August 2008.
2. Navjyoti Singh (2008), *Is there a Future of Classical Indian Philosophies*, 51 SLIDES in lecture series from 12th to 15th March 2008 at Department of Philosophy, Hyderabad Central University, Hyderabad.
3. Navjyoti Singh (2008), *Formalizing the Ontological Core of Ayurveda*, 21 SLIDES in Lecture Series from 16th to 18th February, 2008, Arya Vaidya Pharmacy, Coimbatore.
4. Navjyoti Singh (2007), *What is Veda?: A Rational Reconstruction and the Birth of Reason*, 121 SLIDES in 9 Lecture Series at Department of Vedic Studies, Rabindra Bharti University, Kolkata, from 12th to 16th December, 2007.
5. Navjyoti Singh (2007), *Pre-Paninian and Paninian Linguistics*, 54 SLIDES in 8 Lecture Series at Rabindra Bharti University, Kolkata and Department of Philosophy, Jadavpur University, Kolkata from 7th to 8th September 2007.
6. Navjyoti Singh (2007), *Vaiśeṣika Formal Ontology*, 251 SLIDES in 18 Lecture Series at Department of Sanskrit Studies, University of Hyderabad, April 2nd to 7th 2007. And expanded to 24 presentations at The Asiatic Society, Kolkata, May 24th to 30th 2007.
7. Navjyoti Singh (2006), *Foundations of Ontological Engineering: Towards a Generative Formal Ontology*, 55 SLIDES in a Series of presentations from 26th to 30th August, 2006, at International Institute of Information Technology, Hyderabad
8. Navjyoti Singh (2005), *Scientific Method and Indian Traditions of Analysis*, 57 SLIDES in 4 Lecture Series at Pune University, 21st to 24th March 2005.
9. Navjyoti Singh (2002), *Working of Mind: Jaina Perspective*, 87 SLIDES in 6 presentation Lecture Series at Philosophy Department, Pune University, Pune. 24th February to 4th March, 2002.
10. Navjyoti Singh (2000), 142 SLIDES in 16 presentations at Summer School on *Working of Mind: Perspectives from Indian Analytic Traditions*. 3rd to 23rd June 2000. Indian Institute of Advanced Studies, Shimla.

Lectures:

11. Navjyoti Singh (2008), *New Challenges in Interdisciplinary Research Spanning Humanities & Science*, 10 SLIDES, *Workshop on Future Directions in Higher Education: Role of Apex Institutions*, at International Institute of Information Technology, Hyderabad, 1st September, 2008.
12. Navjyoti Singh (2008), *Nature of the Unity of Individual*, 16 SLIDES, at Seminar on *Classical Indian Philosophies of Mind and Cognitive Science*, 29th February to 2nd March, 2008, Center for Behavioral and Cognitive Science, University of Allahabad, Allahabad.
13. Navjyoti Singh (2008), *Sanskrit and Semantic Computing*, 11 SLIDES in lecture at Center for Sanskrit Studies, Jawaharlal Nehru University, New Delhi, 26th February 2008.
14. Navjyoti Singh (2008), *How can Self and Mind be Formally Specified*, 13 SLIDES, at Conference on *Science and Spirituality of Healing*, from 15th to 17th January, 2008, Arsha Vidya Gurukulam, Coimbatore.
15. Navjyoti Singh (2007), *Computational Appraisal of Sanskrit Heritage*, 17 SLIDES, Department of Sanskrit, Jadavpur University, Kolkata, 6th September 2007.

16. Navjyoti Singh (2007), *Accounting for Experience: A Formal Approach*, 14 SLIDES, at National Seminar on *Changing Interface of Science and Humanities*, 28th to 30th March, 2007, at International Institute of Information Technology, Hyderabad.
17. Navjyoti Singh (2007), *Putting Indian Philosophies on Wheels: Formal Approach to Indian Thought*, 18 SLIDES, at National Seminar on *Classical Indian Philosophy: Present and Future*, March 1st to 3rd, 2007, Philosophy Department, University of Pune, Pune.
18. Navjyoti Singh (2006), *New Humanities Initiative: Need and Promise*, 11 SLIDES, 19th November, 2006, Faculty Retreat, at International Institute of Information Technology, Hyderabad
19. Navjyoti Singh (2006), *'Ahistorical India' and the Enterprise of History: An Inquiry into Ontology of History*, 15 SLIDES, 6th September, 2006, at Department of History, University of Hyderabad, Hyderabad
20. Navjyoti Singh (2006), *Formal Approach to Indian Philosophies*, 27 SLIDES, 30th August, 2006, at Department of Philosophy, University of Hyderabad, Hyderabad
21. Navjyoti Singh (2006), *Ontology of Societal Object and Change*, 23 SLIDES, on 23rd August, 2006 at Department of Sociology, University of Hyderabad, Hyderabad
22. Navjyoti Singh (2006), *Vaisasika Ontology*, 17 SLIDES, 21st August, 2006 at Language Technology Lab, Rashtriya Sanskrit Sansthana, Tirupati
23. Navjyoti Singh (2006), *Skeleton of Mind*, 10 SLIDES, at National Seminar on *Future of Sanskrit*, 24-27, July, 2006, at CASS, University of Pune, Pune.
24. Navjyoti Singh (2006), *Man, Point and Number: The Digital Spirit in the Indian Analytical Heritage*, 26 SLIDES, A Public Lecture on 13th July, 2006, at Indira Gandhi National Center for Arts, New Delhi. And on 24th August, 2006, at International Institute of Information Technology, Hyderabad
25. Navjyoti Singh (2006), *Traditional S&T Knowledge*, 13 SLIDES, presented in Workshop on *Framing an Introductory Course on Traditional/Indigenous Knowledge*, 12th May 2006 at Indian Institute of Technology, Delhi.
26. Navjyoti Singh (2006), *Can Spirituality be Founded on Reason?*, 12 SLIDES, at International Seminar on *Science and Spirituality in Modern India*, February 5th to 7th, 2006 at Jawaharlal Nehru University, New Delhi.
27. Navjyoti Singh (2005), *Causation in Religion and Science: A Critique from the Indian Analytic Traditions*, 11 SLIDES, at Second International Conference on *Religions and Cultures in the Indic Civilisation*, 17th to 20th December 2005 at India Habitat Centre, New Delhi.
28. Navjyoti Singh (2005), *Towards a Formal Theory of Society*, 19 SLIDES, at Indian Institute of Advance Studies, Simla, 8th September 2005.
29. Navjyoti Singh (2004), *Idea of Punctuator and Ontology*, 19 SLIDES, at Indian Institute of Advance Studies, Simla, 9th September 2004.
30. Navjyoti Singh (2004), *Halo of India in the Constitution*, 55 SLIDES, at Seminar on *State and Creativity*, April 23-25 2004, India International Center, New Delhi.
31. Navjyoti Singh (2004), *Mental Contiguum*, 15 SLIDES, at International Workshop on *Computation, Brain and Mind*, February 13-15 2004, at Department of Computer Science, Indian Institute of Technology, Kanpur.
32. Navjyoti Singh (2002), *Cognition of Number and the Functioning of Mind*, 19 SLIDES, at an International Conference on *Mind and Consciousness: Various Approaches*, IIT, Kharagpur, January 9-11, 2002.
33. Navjyoti Singh (2001), *Towards Vaiśeṣika Theory of Machines*, 12 SLIDES, at Seminar on *Consciousness and Machine*, 28th to 30th November, 2001, Center for Advanced Studies in Sanskrit, Pune University, Pune.
34. Navjyoti Singh (2001), *Digital Stick: Vision Enabling Tactile Technology for the Blind*, 19 SLIDES, at Department of Telecommunication, Electronics Niketan, New Delhi. 22nd Feb 2001.
35. Navjyoti Singh (2000), *Simulating Mechanism Behind Unity of Private Experience*, 14 SLIDES, presentation at Institute for Philosophy of Science, University of Vienna, Vienna, Austria, 30th October 2000. And presentation at David Sarnoff Research Center, Princeton, New Jersey, 26th September 2000.
36. Navjyoti Singh (2000), *Indian Theories of Mind*, 12 SLIDES, presentation at Center for Consciousness Studies, University of Arizona, Tucson, Arizona, 11th October 2000. And presentation at University of Richmond, Richmond, Virginia, USA, 23rd September 2000.

37. Navjyoti Singh (2000), *Working of Mind: Indian Theories*, 14 SLIDES, presentation at University of California of Santa Barbara, Santa Barbara, California. Global and International Studies. 6th to 10th October, 2000.
38. Navjyoti Singh (2000), *Time, Subtle Matter and Conscious Experience*, 11 SLIDES, presentation at 4th Conference of the Society for Asian and Comparative Philosophy on *Time and History: East and West*, at Holiday Inn Executive Center, Columbia, Missouri, USA. 28th September to 1st October 2000.
39. Navjyoti Singh (2000), *Missing Links between Consciousness and Matter*, 10 SLIDES, presentation at Virginia Commonwealth University, Richmond, Virginia, USA, 22nd September 2000.

Conferences Organized

1. ***Philosophy of Science in Indian Context***, 1st to 3rd December, 1984. NISTADS, New Delhi. A National Seminar funded by Indian Council of Philosophical Research. 243 abstracts were received & 30 papers were presented.
2. ***Approach and Logistics of Supporting Research in History and Philosophy of Science***, 20th to 21st February, 1986. NISTADS, New Delhi. Organised jointly with National Commission for the Compilation of History of Science, India.
3. ***Enterprise of Navya Nyaya: A Tradition of Medieval and Modern Indian Logic***, 9th to 13th December 1986. NISTADS, New Delhi. A National Seminar organised at NISTADS. Eminent Nyaya Scholars gave ten lectures in this workshop and seven discussion sessions were organised on selected themes where traditional scholars, scientists and philosophers were brought together.
4. ***Possibility of Sub Continental Identity of Science***, 12th January, 1986, NISTADS, New Delhi. 6 presentations.
5. ***Temporality and Logical Structure: An Indian Perspective***, 22nd to 24th January, 1990. NISTADS, New Delhi. A National Seminar with 30 presentations.
6. ***Srsti: Its Philosophical Entailments***. 28th to 30th March, 1990. Jadavpur University, Calcutta. A National Seminar with 35 presentations.
7. ***Foundations of Theoretical Sciences (Logic, Linguistics, Mathematics and Cognitive Sciences) in the Indian Tradition*** (FAMOTSIT), 12th and 13th February, 1990. NISTADS, New Delhi. 14th February, 1990, at Department of Science & Technology (GOI), New Delhi. 18 Presentations.
8. Workshop on ***Foundations and Methodology of Theoretical Sciences in the Indian Tradition***. From 11th to 13th May 1990, at NISTADS, New Delhi. 14 Presentations.
9. ***Series of 6 Regional Seminars and 2 National Meetings for FAMOTSIT Programme*** at Delhi, Madras, Kanpur, Calcutta and Hyderabad centres of the programme between December 1990 to March 1994.
10. Organised a Meeting Conducted by the Minister of State of Science and Technology on ***Traditional Sciences and Technologies in the Indian Tradition***, 8 June 1993, at Anusandhan Bhavan, CSIR Head Quarters. New Delhi. 6 presentations were made.
11. One of the key organisers of ***First Congress on Traditional Sciences and Technologies of India***, 28th November to 3rd December 1993, at IIT Bombay. Organised by IIT and PPST Foundation. Organised several preparatory meetings in Delhi. Coordinated *Theoretical Sciences* Section of the Congress. Brought out daily *Newsletter* at the Congress. About 2000 Registrants, 342 technical papers presented.
12. ***Sastra Vyavahara (Theory and Practice) Relation*** on 2nd December 1993. Organised Seminar during *First Congress on Traditional Sciences and Technologies of India*, 28th November to 3rd December 1993, at IIT Bombay. 4 Presentations.
13. ***National Dialogue on Approach Paper for the National Plan on Traditional Sciences and Technologies of India***, 11th to 13th February 1994, at NISTADS, New Delhi. 16 Presentations. Organised consultative meetings at Bangalore on 29th January 1994, and at Madras on 2nd February 1994.
14. One of the key organisers of ***Second Congress on Traditional Sciences and Technologies of India***, from 26th to 31st December 1995, at Anna University Madras. Organised by Anna University and PPST Foundation. Ran Congress Secretariat from NISTADS. Coordinated *Policy Theme Section* of the Congress. More than 300 papers presented. About 2000 Registrants, 318 technical papers presented.
15. ***Antahkarana: Working of the Mind***, from 27th to 29th December, 1995. Organised Seminar during *second Congress on Traditional Sciences and Technologies of India*, from 26th to 31st December 1995, at Anna University, Madras. 6 Presentations.
16. Vice-President of the ***Third Congress on Traditional Sciences and Technologies of India***, at Gandhian Institute of Studies, Varanasi, from 28th October to 2nd November 1998. 1800 delegates. More than 320 papers presented.
17. ***Philosophy, Law and Justice***, a seminar at India International Center, New Delhi, on 12th January 1999. 6 presentations.

18. Vice-President of *Lokvidya Andolana Sadassu: Fourth Congress on Traditional Sciences and Technologies of India*, Chirala, Prakasham District, Andhra Pradesh. 2nd to 5th June 1999. About 3000 delegates and more than 60 papers presented.
19. Vice-President of *Bundelkhand Samaja Srjana Samvada: Fifth Congress on Traditional Sciences and Technologies of India*, Orchha, Madhya Pradesh. June 1999. About 2500 delegates participated and about 358 papers were submitted.
20. Director of Summer School on *Working of Mind: Perspectives from Indian Theoretical Traditions*, 3rd to 24th June 2000, Indian Institute of Advanced Studies, Shimla. Conceived and organized. About 200 applications received, 35 participants selected, 13 from outside India.
21. Convener of International Symposium on *Unity of Mind*, 5-6 January, 2003, National Museum, New Delhi, organized by Indian Institute of Advanced Studies, Shimla and Indian Council of Philosophical Research, New Delhi. 12 presentations.
22. Convener of Fellows' Colloquium on *Sources of Indian Culture* from 11th to 12th June 2003, at IIAS, Shimla. 8 Presentations.
23. Convener of National Seminar on *Changing Interface of Science and Humanities*, 28th to 30th March, 2007, at International Institute of Information Technology, Hyderabad. 22 presentations.

Participation in Conferences and Lectures Delivered

1983-84

1. National Seminar on *Science and Technology in Indian Culture: A Historical Perspective*. Organised by NISTADS in February 1984, at CSIR Head Quarters Auditorium. Presented paper on: "**Foundations of Logic in Ancient India: Linguistics and Mathematics**".

1984-85

2. Workshop on *Philosophical Linguistics and Philosophy of Language*. October 29th to November 3rd, 1984. Lucknow. Organised by the Indian Council of Philosophical Research (ICPR). Attended the Workshop as discussant.
3. National Seminar on *Philosophy of Science in Indian Context*, December 1st to 3rd, 1984, Delhi. Organised by NISTADS and ICPR. Planned, mobilised contribution and organised this Seminar. Presented two papers: (i) "**Insight into Foundations of Modern Mathematics through a Comparative Study of Foundations of Mathematics in India, China and Greece**", (ii) "**Zeno's Paradoxes and Ancient Jaina Theory of Measurement**".
4. National Seminar on *Social and Philosophical Implications of Artificial Intelligence*, December 22nd to 23rd, 1984, Delhi. Organised jointly by NISTADS and Computer Society of India (CSI). Co-ordinator of the Seminar on behalf of NISTADS. Presented a discussion note: "**Some Philosophical Questions of Information Era**".
5. International Seminar on *Science and Empire (1700- 1947)*. January 21st to 23rd, 1985. Delhi. Organised by NISTADS. Presented a paper: "**Indian Linguistics Tradition and its Impact on European Thought**".
6. Departmental *Colloquium* of the department of Computer Science and Engineering, Indian Institute of Technology, Kanpur, February 12th, 1985. Gave Lecture on: "**Comparative Notes on the Philosophical Foundations of Chomskian and Paninian System**".

1985-86

7. International Seminar on *Jaina Mathematics and Astronomy*, April 26th to 28th, 1985. Hastinapur, Organised by Meerut University and Degamber Jaina Institute of Cosmographic Research, Hastinapur. Submitted three papers: (i) "**Ancient Jaina Theory of Measurement and Theory of Number**", (ii) "**Theory of Motion in Jaina Thought**", (Jointly with Dhruv Raina), and (iii) "**Physical and Biological Notions in Jaina Cosmology**", (Jointly with Anuradha Khanna).
8. *Invited lecture* at Research Institute of Prakrita, Jainology and Ahimsa. June 10th, 1984. Muzaffarpur (Vaishali) on: "**Theory of Transfinite Quantities of the Jaina Thinkers**".
9. Summer Workshop on *Philosophy of Science*, May 13th to 31st, 1985. Jaipur. Organised by the Department of Philosophy, Rajasthan University. Attended as discussant.
10. International Astronomy colloquium 91 on *History of Oriental Astronomy*. November 13th to 16th, 1985. Delhi. Organised by Indian National Science Academy. Attended.
11. Meeting on *Possibility of Sub-Continental Identity of Science*, January 20th, 1986. Delhi. Organised by NISTADS. Organised the meeting and presented theme note for discussions: "**Possibility of Sub-Continental Identity of Science**".
12. National Seminar on *Foundational Issues in Classical Indian Sciences, Logic and Philosophy of Science*. January 30th to February 1st, 1986. Jaipur. Organised by Rajasthan University. Presented a paper: "**Meaning Invariance in Translation - Towards a Neo-Paninian Foundations of Grammar**".
13. International Seminar on *Peace, Development and International Order*. February 14th to 16th, 1986. Kanpur. Organised by the Indian Institute of Technology and the International Union of Anthropology. Presented a paper: "**Intrinsic Inclusion of Moral Dogmas of Ahimsa (peace) and Kevalatva (liberation) in the Knowledge Body of Physical and Life Sciences in the Jaina Paradigm**".
14. National meeting on *Approach and Logistics in Supporting Research in History and Philosophy of Science in the Country*, February 20th and 21st, 1986. Delhi. Organised jointly by INSA (National Commission for the Compilation of History of Science) and NISTADS. Planned and organised the Meeting. Presented theme paper for the meeting: "**The Approach and Logistics in Supporting Research in History and Philosophy of Science in the Country**".

1986-87

15. Summer School on *Modal Logic*, May 12th to 31st, 1986. Jaipur. Organised by UGC Special Assistance Programme on Philosophy, University of Rajasthan. Attended
16. Lecture Series cum Workshop on *Enterprise of Navya Nyaya: A Tradition of Medieval and Modern Indian Logic*. December 9th to 13th, 1986. Delhi. Organised by NISTADS. Conceived, planned, mobilised scholars and organised this workshop. Delivered a lecture on: "**History of the Evolution of Navya Nyaya School of Logic**". Made, composed and performed a Slide Show on: "**Navya Nyaya in Bengal (Navdwipa), Darbhanga and Banaras through the Ages**". Also designed and put up: "**Exhibition on Navya Nyaya**". Prepared: "**Bibliography of the Primary Sources of Navya Nyaya**".
17. International Seminar on *Knowledge Representation and Inference in Sanskrit Literature*. December 20th to 22nd, 1986. Bangalore. Organised by Shankar Math and Computer Society of India. Delivered Invited Lecture on: "**Historical and Analytical Appraisal of Navya Nyaya Tradition**".
18. National Seminar on *Scientific Temper and Indian Epistemology*. March 30th and 31st, 1987. Varanasi. Organised by Department of Philosophy, Banaras Hindu University. Presented a paper: "**Nature and Concept of Scientific Temper and the Indian Theoretical Tradition**".

1987-88

19. Regional Workshop on *From Critique to Construction: Building New Perspectives on Science*. April 27th to May 1st, 1987. Calutara, Sri Lanka. Organised Jointly by Sri Lanka Association for Advancement of Science and UNESCO. Delivered three invited lectures on: (i) "**Mathematics, Music and Language in Greece, South Asia and China - Some General Comparative Observations**", (ii) "**Scientific Paradigm of the Jaina-s with Special reference to Life Science and Mathematics**", and (iii) "**Artificial Intelligence and Traditional South Asian Knowledge Systems**". All the lectures were tapped, transcribed and edited into one abridged essay: "**Foundational Homology of South Asia's Mathematics, Logic and Linguistics**".
20. National Seminar on *Mathematics and Astronomy in Ancient and Medieval India*. May 19th to 22nd, 1987. Calcutta. Organised Jointly by the Asiatic Society and ICPR. Delivered keynote address on: "**The Nature of Mathematical Object in the Indian Tradition**". Also made a presentation on: "**Algorithmic Interpretation of Measurement Geometry in *Apstambha Sulba Sutra***".
21. Workshop on *Curriculum Development in Philosophy*. May 23rd to 26th, 1987. Calcutta. A UGC sponsored workshop organised by Philosophy Department, Jadavpur University. Gave presentation in the inaugural function on: "**Revision of Post Graduate Philosophy Curriculum in the light of Recent Interest in Foundation of Logic, Linguistics, Mathematics and Cognitive Science in the Indian Tradition**".
22. Seminar on *Western and Eastern Theories of Inference*. June 4th to 6th, 1987. Wai (Maharashtra). Being held on the closing dates of ICPR Summer School for Pandits on *Western Logic*, May 25th to June 6th. Wai. Organised jointly by Prajna Pathasala and ICPR. Gave an inaugural lecture on: "**The Nature of Form: A Comparative Investigation**". Presented for discussion: "**Prolegomena for the Study of the Notion of Logical Form**".
23. National Seminar on *Foundations of Indian Sciences*. June 27th to 29th, 1987. Jaipur. Organised by UGC's Special Assistance Program of Philosophy at Rajasthan University. Made two presentations: (i) "**Review of Recent Trend of Research on Foundations and Methodology of Theoretical Sciences in Indian Tradition**", and (ii) "**Notion of *Bhava* in Indian Linguistics**".
24. International Congress of *Logic, Mathematics and Philosophy of Science*. August 17th to 22nd, 1987. Moscow, USSR. Organised by International Union of History and Philosophy of Science. Presented paper on: "**Foundations of Jaina Theory of Transfinite Quantities**".
25. International Conference on *Phenomenology and Indian Philosophy*. January, 1988, New Delhi. Jointly organised by ICPR and Centre for Advancement of Research in Phenomenology, USA. Attended. Later wrote an extended review "**Phenomenology and Indian Philosophy**".
26. Meeting on *New Researches in Indian Theories*. February 10th and 11th, 1988. Jaipur. Organised by Lath Sarvodaya Trust. Made presentation on: "**Musical Scales, Culture and Colonisation**".
27. National seminar on *Problem of Meaning in Indian Philosophy*. March 14th to 16th, 1988. Jaipur. Organised by UGC Special Assistance programme of Department of Philosophy, Rajasthan University. Presented a paper on: "**Self Identity of *Visaya*, Form and *Sabdabodha***".

1988-89

28. Meeting of the Department of Electronics (GOI) Working group on *Knowledge Based Computing System and Ancient Sciences of India*. July 1988. C-DAC, Pune. Gave input to research plan of C-DAC on "Computers and Indian Knowledge Systems".
29. Workshop on *Immunisation Technological Missions and Indigenous Science of Medicine*, organised by the Office of the Advisor on Technology Missions to the Prime Minister, held at Ahmedabad, 23rd to 25th September, 1988. Organised a session on "Theoretical and Philosophical Aspect of the Issue of Relation between Modern and Traditional Medicine". My presentation was on "**Inferring with Qualities as Objects**".

1989-90

30. International Seminar on *The Comparative Traditions of Commentaries in the Indian & Western Philosophical Traditions*, 11th to 14th April, 1989. Rajasthan University, Jaipur. Presentation on "**In Search for Proof - Commentarial Tradition in Indian Mathematics**".
31. Brain Storming session on *Machine Assisted Translation*, 24th May, 1989. DST, New Delhi. Participated as a **Resource Person**.
32. Seminar on *Kalatattva Karya Gosthi: A Preparatory Workshop on the Concept of Time*. 9th & 10th July, 1989. The Academy of Sanskrit Research, Melkot 571431. Karnataka. Note Presented on "**Prolegomena for Intellectual Activity on Various Facets of *Kala***".
33. Writer's workshop lead by M. L. Singhvi on *Sovereign Being of Law*. Organised by Vatsal Nidhi, 2nd to 5th September, 1989. Simla. Presentation on "***Svatantra* and *Dharmatantra***".
34. Second Advanced Course on *An Integrated Approach to Knowledge and Information* organised by National Institute of Advanced Studies, Bangalore. From 18th September to 21st October, 1989. Delivered Invited *Special Lecture* on "**Revisiting Indian Theoretical Heritage**" on 23rd September, 1989.
35. International Seminar and Workshop on *TIME: An Inter-Cultural, Multi-Disciplinary Workshop*, Organised by Max Muller Bhavan and National Center for Performing Arts in Cooperation with TIFR, US Information Service, Consulate General of Switzerland and Italy. From 9th to 14th October, 1989. Bombay. **Chaired** a session. Paper presented on "**Temporality and Logical Structure in Indian Theoretical Heritage**".
36. Brain Storming Workshop on *Revitalisation of Local Health Tradition*. At the office of the Adviser to the Prime Minister on Technology Mission. From 17th to 19th November 1989, New Delhi. Participated as a **Resource Person**.
37. Seminar on *Temporality and Logical Structure: An Indian Perspective*. Organised at NISTADS. New Delhi. From 22nd to 24th January, 1990. Conceived, schematized, mobilized scholars and organized the Seminar. Made two presentation on (1) "**Temporality & Logical Structure - A Comparative Perspective**", and (2) "**Traditional *Ganita* Structures and Temporality**".
38. Meeting of Expert Committee set up by the Department of Science and Technology to Examine Proposed Nationally Coordinated Programme on *Foundations of Theoretical Sciences (Logic, Linguistics, Mathematics and Cognitive Sciences) in*

The Indian Tradition. On 14th February, 1990. At DST, New Delhi. **Gave Overview and Lead Presentation** on the FAMOTSIT programme before the Committee.

39. National Seminar on *Srsti: Its Philosophical Entailments*. Organised at Jadavpur University, Calcutta. From 28th to 30th March, 1990. Conceived, mobilized scholars and organized the Seminar. Paper presentation on “**A Shape of A Living Moment**”.

1990-91

40. National Warm-up Workshop on *Foundations and Methodology of Theoretical Sciences in the Indian Tradition [FAMOTSIT Programme]*. From 11th to 13th May 1990, at NISTADS, New Delhi. Organised and **conducted** discussions.
41. Invited *Public Lecture* organized by Delhi Sanskrit Academy, at Delhi Secretariat Auditorium on 13th September, 1990. New Delhi. Delivered Lecture on “**Sanskrita Sahitya Mein Vigyana Tattva**” [in Hindi].
42. Seminar on *Foundational Investigations in Greek Thought*. From 29th to 31st October, 1990. At Department of Philosophy, University of Rajasthan, Jaipur. Presented a paper on “**Formulation of the Departure Between Greek and Indian Perspectives on the Problematic of Temporality and Logical Structure**”.
43. International Seminar on *KALA (Time)*. Organised by Indira Gandhi National Centre for the Arts. From 20th to 26th November, 1990. New Delhi. Presentation on “**Logos, Vak and Kala**”.
44. International Colloquium on *Culture and Rationality*. Organised by East-West Centre, University of Hawaii, Honolulu, USA and Indian Council of Philosophical Research. From 7th to 10th January, 1991. At Raj Bhawan, Mt. Abu, Rajasthan. Presented Paper on “**Thematising an Indian Perspective on ‘Practical Reason’**”.
45. Meeting of the Preparatory Committee for *Project on History of Indian Science, Philosophy and Culture (PHISPC)*. 6th March, 1991, held at Jodhpur House, New Delhi. Participated as a Resource Person.
46. National Seminar on *Meaning and Scepticism*. From 15th to 17th March, 1991. At St. Stephen College, University of Delhi, New Delhi. Attended
47. Discussion Meeting on *History of Indian Science, Philosophy and Culture*. From 29th to 30th March, 1991. At Nehru Memorial Museum and Library, Teen Murti House, New Delhi. Participated as Expert.

1991-92

48. Workshop on *Computers and the Law*. Organised by Indian Law Institute, on 6th April 1991, New Delhi. Participated as a Resource Person.
49. Delivered **First Gopinatha Bhattacharya Memorial Lecture - On the Limits of Ontology**. Department of Philosophy, Jadavpur University, Calcutta. On 7th July 1991.
50. Seminar on *Cause: Its Concepts and Use*. From 7th to 9th July 1991, at Jadavpur University, Calcutta. Chaired a Session.
51. Seminar on *Inter disciplinary Approach to Methodology of Theoretical Enterprise*, from 10th to 11th July 1991, at Department of Philosophy, Jadavpur University, Calcutta. Made presentation on “**Some Questions of Methodology in the Indian Analytic Tradition**”. Presided over a Session.
52. Workshop on *Indian Grammatical Tradition and Man/Machine Interaction*, from 17th to 21st September 1991, at Lal Bahadur Shastri Rashtriya Sanskrit Vidyapeetha, New Delhi. Attended as Resource Person.
53. Workshop of *History of Indian Science, Philosophy and Culture*. From 7th to 10th November, 1991, at Nehru Museum and Library, Teen Murti House, New Delhi. Attended as a Resource Person.
54. National Seminar on *Indian Semantics: Computational Model and Nyaya Philosophy of Language*, from 23rd to 24th February 1992, at Shri Jagannath Sanskrit Vishva Vidyalaya, Puri. On 23rd February 1992. Delivered **Inaugural Address**.
55. Seminar on *Philosophical Traditions*. Organised by PHISPC, from 2nd to 5th March 1992, at National Council of Science Museum, BITM, Calcutta. Presented Paper “**Relation of Ratiocination (Tarka) and Veridication (Pramana): A Comparative Examination of Greco-European and Indian Analytical Dispositions**”.
56. National Seminar on *Current Research in Indian Mathematics & Astronomy: An Overview*. From 6th to 7th March, 1992, at Madras Institute of Technology, Chrompet Campus, Madras. On 6th March, 1992. Delivered Inaugural *Public Speech* titled “**Introduction to Recent Research Effort on Indian Theoretical Tradition**” in Inaugural function of the seminar.
57. National Seminar on *Natural Language Processing and The Sastra-s*. From 27th to 29th March 1992, at Sampurnananda Sanskrita University, Varanasi. Delivered invited keynote address titled “**Contemporary Relevance of Sabdabodha Theories**”.

1992-93

58. Seminar on *Perspectives on Language*, From 24th to 26th July 1992, Jadavpur University, Calcutta. Chaired a session and attended as discussant.
59. Review Meeting of Nationally Coordinated Programme on *Foundations and Methodology of Theoretical Sciences in the Indian Tradition [FAMOTSIT Programme]*, August 1992, IIT Madras. Organized and made overview presentation.
60. *First Workshop on Navya Nyaya*, From 26th to 28th November 1992, at Computer Science Department, IIT, Kanpur. Attended.
61. *Second Workshop on Navya Nyaya*, From 8th to 11th February 1993, at Computer Science Department, IIT, Kanpur. Attended.

1993-94

62. Helped organise and attended day-long Meeting Conducted by the Minister of State for Science and Technology on *Traditional Sciences and Technologies in the Indian Tradition*, 8th June 1993, at Anusandhan Bhavan, CSIR Head Quarters, New Delhi.
63. National Workshop on *Causality in Physics and Philosophy*, from 27th to 29th August 1993, at Jadavpur University, Calcutta. Organised by S. N. Bose Institute of Basic Sciences and Jadavpur University. Presented paper on “**Prolegomena for Causal Model of Mind**” (with Anuradha Singh)
64. Made Presentation on “**Progress in FAMOTSIT Programme**” to Scientific and Engineering Research Council of DST, on 3rd September 1993.
65. Second Review Meeting of Nationally Coordinated Programme on *Foundations and Methodology of Theoretical Sciences in the Indian Tradition [FAMOTSIT Programme]*, September 1993, IIT Kanpur. Organised and Attended.

66. First Congress on Traditional Sciences and Technologies of India, from 28th November to 3rd December 1993, at IIT Bombay. Organised by IIT/B and PPST Foundation. Helped Organize the Congress, coordinated Theoretical Science section. Papers presented on (1) **"Causal Model of Mind"**, and (2) **"Causal Reasoning with Secondary Qualities in Ayurveda"**, (with Anuradha Singh).
67. Presentation on **"Computer as Hermeneutic Machine"** at NISTADS' colloquium, August 1993, New Delhi.
68. National Seminar on *AI and Perspectives of the Science of Indian Linguistics*. Shri Jagannath Sanskrit Vishva Vidyalaya, Puri, 1993. Gave inaugural Address **"Problem of Porting of Textual and Graphic Heritage on Digital Media"**.
69. Seminar on *National Dialogue on Approach Paper for the National Plan on Traditional Sciences and Technologies of India*, from 11th to 13th February 1994, at NISTADS, New Delhi. Organized and made theme presentation. Also organized preparatory consultative meetings at Bangalore on 29th January 1994, and at Madras on 2nd February 1994. Initiated and conducted discussions on the theme.

1994-95

70. *What We Do Not Know: First UNESCO Philosophy Forum*, 14th to 17th March 1995, UNESCO Head Quarters, Paris, France. Delivered lecture **"Accounting for What We Do Not Know: Epistemic Tolerance in Traditional Indian Theory Building"** on 14th March 1995.

1995-96

71. National Seminar on *Vastu, Vastu and Vastupurusha*, from 13th to 15th October 1995, at Udipi. On 13th October 1995. Gave Inaugural Address.
72. Delivered lecture - **"On the Mechanics of Mind: a Nyaya Model"**, at National Institute of Advanced Studies, IISc Campus, on 6th December 1995, Bangalore.
73. *Second International Symposium on Cognition and Education: A Multi-disciplinary Perspective*, from 14th to 18th December 1995, Banaras hindu University, Varanasi. Made Presentation on **"Outline of Scientific and Technological Research Programme on 'Computational and Theoretical Investigations of Antahkarana'"**.
74. *Second Congress on Traditional Sciences and Technologies of India*, from 26th to 31st December 1995, at Anna University, Madras. Delivered Plenary Lecture titled **"Future Agenda for Traditional Sciences and Technologies"**.
75. Workshop cum Lecture Series on *Antahkarana – Working of the Mind* at Madras, on 28th December 1995, at Second Congress on *Traditional Sciences and Technologies of India*, from 26th to 31st December 1995, at Anna University, Madras. Made presentation on **"Formal Mechanics of Mind"**.
76. Conducted three sessions on **"Policy Theme"** section of the *Second Congress on Traditional Sciences and Technologies of India*, from 26th to 31st December 1995, at Anna University, Madras. Wrote theme paper on **"Policy Implications of Revitalising Traditional Sciences and Technology"**.
77. *Ramundo Panikkar's discourse and discussions on 'Word'"*, in February 1996, at IGNCA, New Delhi. Participated as discussant.
78. Seminar on *Community Rights, IPRs and Biodiversity: A New Partnership for National Sovereignty*, on 20th February, 1996. Constitution Club, New Delhi. Chaired concluding Session on "Community Rights, Trade Marks and Traditional Technologies".
79. Seminar on *Reality in Philosophy and Science*, from 24th to 25th February 1996, at S. N. Bose National Center for Basic Sciences, Calcutta. Made Presentation on **"Token Realism: Virtual Realities and Actual Idealities"**.
80. Delivered *National Science Day Dr. J. C. Ghosh Memorial Lecture* on **"Revitalising Traditional Science and Culture of India"** at Nehru Children's Museum on 27th February, 1996. Calcutta.
81. Seminar on *Traditional Indian Chemical Practices* from 11th to 12th March 1996, at National Institute of Advanced Studies, IISc Campus, Bangalore. Attended.
82. Seminar on *Tradition, Science and Scientific Tradition*, from 13th to 14th March 1996, at National Institute of Advanced Studies, IISc Campus, Bangalore. Made Presentation on **"Origin and Nature of 'Physicalisation of Mathematics'"**.

1996-97

83. Seminar on *Future of Internet*, Organised by C-DAC, Pune. 22nd to 23rd February 1997. Gave lecture on **"Internet and Indian Heritage"**.

1997-98

84. Gave Lecture at Academic Staff College, New Delhi. 25th July, 1997. On **"Theoretical Sciences from the Womb of Indian Civilisation"**.
85. *Fifth National Conference of Vijnana Bharati*, National Institute of Nutrition, Hyderabad. 31st August to 1st September, 1997. Gave presentation on **"Civilisational Ascent in Theoretical Sciences"**.
86. Workshop on *Samajika Badlava* at Jaiprakash Nagar, Balia, U.P. Attended on invitation from Former prime Minister Shri Chandra Shekhar. From 9th to 11th August, 1997.
87. Workshop on *Matter in Science and Philosophy*. Philosophy department, Jadavpur University, Calcutta. 23rd to 25th December, 1997. Presented paper on **"Matter, Dualism of Evidence and Method"**.
88. Seminar on *Nature of Reality in Arts and Science*, Organised at Vishva Bharati, Shantiniketan. 20th to 21st March, 1998. Made presentation on **"Theoretical Impossibility of Tragedy"**.
89. Meeting on *Development of Small People by Creating Market for their Work and Skills*. Organised by Mahajanam (Bombay) at Sabarmati, Ahmedabad. 1st to 3rd February, 1998. Attended.

1998- 1999

90. A six-day traveling workshop on *Svadhyaya Prayoga Darshan* organised by Svarajpith at Ahmedabad, Vedodara and Bombay. 7th April to 12th April, 1998. Being introduction to successful *Svadhyaya* Movement of Development initiated by Pandurangi Shastri Athavale. Participated in it.
91. Seminar on *A National Emergency - The Crisis of Food Security*. Organised by Research Foundation at IIC, New Delhi. 3rd August, 1998. Made presentation on **"Engineering Design for Hydraulic and Pneumatic Machinery for revival of Rehyat and improvement of livestock situation in the Country"**.

92. Workshop on *Classical Indian Legal Concerns in Environment Protection*, Organised by National Law School of India University, Bangalore. 26th to 27th September, 1998. Made presentation on "**Saranagata Raksate - Indian Discipline of Just Protection**".
93. *Third Congress on Traditional Sciences and Technologies of India*, at Gandhian Institute of Studies, Varanasi. 28th October to 2nd November, 1998. Gave Review Lecture in Inaugural function on "**Nature and Evolution of the Platform of TSTI Congresses**" (in Hindi). Delivered plenary lecture on "**Lok Siddhi as basic Criteria of Real Knowledge: Three Contemporary Moments**". Contributed papers on - "**Towards a Formal Theory of Justice**"; "**Design Svabhalamban**" (with Vijay Chariar), and; "**Water in Lok Sanskara**" (with Arun Kumar and Vijay Chariar).
94. Seminar on *Philosophy, Law and Justice*, at India International Center, New Delhi. 12th January 1999. Made presentation on "**Determining Form of Justice**".
95. International UNESCO Seminar on *Science in Society: New Contract of Science*, at National Institute of Advanced Studies, Bangalore. 26th to 29th January 1999. Made Presentation on "**Awaited Arrival of the New Sciences of Internal Evidence**".
96. Seminar on *Science and Philosophy Studies on Consciousness*, at National Institute of Advanced Studies, Bangalore. 8th to 13th February 1999. Made Presentation on "**Fundamental Laws of Mental Events**".
97. National Seminar on *Future of Indological Studies*, at The Asiatic Society, Calcutta. 21st to 23rd March, 1999. Paper presented on "**Role of Indology in Future Sciences**".

1999- 2000

98. *Fourth Congress on Traditional Sciences and Technologies of India: Lokvidya Andolana Sadassu*, 2nd to 6th June 1999. Chirala, Andhra Pradesh. Gave Inaugural address on "**Vrttikaralu as Marg Darshak**".
99. *Fifth Congress on Traditional Sciences and Technologies of India: Bundelkhand Samaja Srjana Samvada*, Orchha, Madhya Pradesh. 13th to 18th November 1999. Addressed Valedictory session.
100. Visiting Fellow Lecture on "**Form of Justice**" at Indian Institute of Advanced Studies, Shimla. 23rd to 30th November, 1999.
101. National Seminar on *TS 500: 500 Years of Tantrasangraha*, Department of Physics, University of Madras, Chennai. 11th to 13th January, 2000. Presented paper on "**Traditions of Applying Mathematical Reason for Understanding Functioning of Mind**".

2000- 2001

102. Summer School on *Working of Mind: Perspectives from Indian Analytic Traditions*. 3rd to 14th June 2000. Indian Institute of Advanced Studies, Shimla. Conceived and organized the school. Delivered **32 hour of lectures**.
103. 12th International *Congress of Vedanta*, Department of Philosophy, Miami University, Oxford, OH 45056, USA. 13th to 17th September 2000. Presented paper on "**Manas and Sannikarsa: Missing Links between Consciousness and Matter**".
104. Lecture on "**Missing Links between Consciousness and Matter**" at Virginia Commonwealth University, Richmond, Virginia, USA. On 22nd September 2000.
105. Lecture on "**Indian Theories of Mind**" at University of Richmond, Richmond, Virginia, USA. On 23rd September 2000.
106. Lecture on "**Simulating Mechanism Behind Unity of Private Experience**" at David Sarnoff Research Center, Princeton, New Jersey. 26th September 2000.
107. 4th *Conference* of the Society for Asian and Comparative Philosophy on *Time and History: East and West*, at Holiday Inn Executive Center, Columbia, Missouri, USA. 28th September to 1st October 2000. Presented paper on "**Time, Suksma Dravya (Subtle Matter) and Conscious Experience**".
108. Lecture on "**Manas (Mind) as Mechanism**" at Tulane University New Orleans, USA. 3rd October 2000.
109. Lecture on "**Trans-Subjective Mechanics of Mind**" at Loyola University, Loyola, New Orleans, USA. 3rd October, 2000.
110. Lectures on "**Working of Mind: Indian Theories**" at University of California of Santa Barbara, Santa Barbara, California. Global and International Studies. 6th to 10th October, 2000.
111. Lecture on "**Indian Theories of Mind**" at Center for Consciousness Studies, University of Arizona, Tucson, Arizona. 11th October 2000.
112. *Humankind, Nature, Technology. Discourse of World Religions: Fifth EXPO 2000 Discourse*. Organized by Hannover Institute of Philosophical Research, at EXPO 2000 Convention Hall, Hannover, Germany. From 19th October to 24th October 2000. Delivered Invited Lecture on "**Hard Problem of Contentious Belief and Sanatana Theory of Justice**".
113. Lecture on "**Trans-Subjective Mechanics of Mind**" at Dept. of Arts-Oriented Sciences, Academy of Fine Arts, Duesseldorf, Germany. 25th October 2000.
114. Lecture on "**Simulating Mechanism Behind Unity of Private Experience**" at Institute for Philosophy of Science, University of Vienna, Vienna, Austria. 30th October 2000.
115. An International Conference on *Knowledge and East- West Transitions*, at National Institute of Advanced Studies, Bangalore. 11th to 14th December 2000. Made two presentations on (1) "**Vision-Enabling Technology for Blind: Nyaya-Vaisesika Perspective**", and (2) "**Review of Indian East West Dialogue on Theoretical Sciences**".

2001- 2002

116. Made powerpoint presentation on "**Digital Stick: Vision Enabling Tactile Technology for the Blind**" at Department of Telecommunication, Electronics Niketan, New Delhi. 22nd Feb 2001.
117. Seminar on *Consciousness and Machine*, 28th to 30th November, 2001, Center for Advanced Studies in Sanskrit, Pune University, Pune. Made presentation on "**Towards Vaisesika Theory of Machines**".
118. International Conference on *Mind and Consciousness: Various Approaches*, IIT, Kharagpur, January 9-11, 2002. Gave invited lecture on "**Cognition of Number and the Functioning of Mind**".
119. International Seminar on *Philosophy and Science: Exploratory Approach to Consciousness*, 8-9 February, 2002, Ramakrishna Mission Institute of Culture, Kolkata. Made presentation on "**Theory of Experiential Contiguum**".
120. Delivered six lectures on "**Working of Mind: Jaina Perspective**" at Philosophy Department, Pune University, Pune. 24th February to 4th March, 2002.

2002- 2003

121. Gave inaugural lecture in National Workshop on *Ancient Indian Sciences*, at Guru Nanak Dev Engineering College, Bidar, Karnataka during 24th to 26th October 2002, on “**Story of 'Reason' as it unfolded in the Indian Civilization**”.
122. Seminar on *Unity of Consciousness*, 5th to 6th January 2003 at National Museum, New Delhi, presentation on “**Unity Issue in Consciousness Research**”.

2003- 2004

123. International Workshop on *Computation, Brain and Mind*, February 13-15 2004, at Department of Computer Science, Indian Institute of Technology, Kanpur. Made powerpoint presentation on “**Mental Contiguum**”.
124. Seminar on *Value and Culture* organized by Indian Institute of Advanced Studies, 16th to 18th March 2004 at Bhopal, made presentation on “**Market and Human Relation**”.

2004- 2005

125. Seminar on *State and Creativity*, April 23-25 2004, India International Center, New Delhi. Made powerpoint presentation on “**Halo of India in the Constitution**”.
126. Gave Fellows’ Seminar on 9th September 2004, at Indian Institute of Advanced Studies, Shimla titled “**Idea of Punctuator and Ontology**”.

2005- 2006

127. Gave four Lectures at Pune University, from 21st to 24th March 2005, on “**Scientific Method and Indian Traditions of Analysis**”.
128. Gave Fellows’ Seminar on 8th September 2005, at Indian Institute of Advanced Studies, Shimla titled “**Towards a Formal Theory of Society**”.
129. Seminar on *Triple Burden of Women Scientists in India*, Conference Room, India International Center, 30 September, 2005. Made presentation on “**Feminine and Science**”.
130. Second International Conference on *Religions and Cultures in the Indic Civilisation*, 17th to 20th December 2005 at India Habitat Centre, New Delhi, presentation on “**Causation in Religion and Science: A Critique from the Indian Analytic Traditions**”.
131. Conference on *Reflecting on Reflection: Philosophy on Its Traditions*, 19th to 21st January 2006, at Department of Sociology, Delhi School of Economics, Delhi University, New Delhi. Presented Paper on “**Riding across Greco-European Enlightenment: An Inquiry into Method of ‘Punctal Reflexivity’ in Indic Thoughts.**”
132. International Seminar on *Science and Spirituality in Modern India*, February 5 - 7, 2006 at Jawaharlal Nehru University, New Delhi. Gave presentation on “**Can Spirituality be founded on Reason?**”
133. National Seminar on *The Idea of Public Sphere: An Interdisciplinary Dialogue on the Fate of a Philosophical Concept in the Age of Globalisation*, 20-22 March 2006, Indian Institute of Technology, Delhi. Gave presentation on “**‘Inclusive’ Private Versus ‘Exclusive’ Public: Reforming Endarkened Modernities.**”

2006- 2007

134. Workshop on *Framing an Introductory Course on Traditional/Indigenous Knowledge*, 12th May 2006 at Indian Institute of Technology, Delhi, Gave Presentation on “**Traditional S&T Knowledge**”.
135. Gave Public lecture on “**Man, Point and Number: The Digital Spirit in the Indian Analytical Heritage**”, 13th July, 2006, Indira Gandhi National Center for Arts, New Delhi
136. National Seminar on *Future of Sanskrit*, 24-27, July, 2006, at CASS, University of Pune, Pune. Gave Presentation on “**Skeleton of Mind**”.
137. Lecture on “**Vaisika Ontology**”, 21st August, 2006, Language Technology Lab, Rashtriya Sanskrit Sanstha, Tirupati
138. Lecture on “**Towards a Formal Theory of Society: Ontology of Societal Object and Change,**” on 23rd August, 2006 at Department of Sociology, University of Hyderabad, Hyderabad.
139. Lecture on “**Man, Point and Number: The Digital Spirit in the Indian Analytical Heritage**”, 24th August, 2006, at International Institute of Information Technology, Hyderabad.
140. Lecture Series on “**Foundations of Ontological Engineering: Towards a Generative Formal Ontology**”, 26th to 30th August, 2006, at International Institute of Information Technology, Hyderabad.
141. Lecture on “**Formal Approach to Indian Philosophies**”, 30th August, 2006, at Department of Philosophy, University of Hyderabad, Hyderabad.
142. Lecture on “**‘Ahistorical India’ and the Enterprise of History: An Inquiry into Ontology of History**” 6th September, 2006, at Department of History, University of Hyderabad, Hyderabad.
143. Presentation on “**New Humanities Initiative: Need and Promise,**” 19th November, 2006, at International Institute of Information Technology, Hyderabad.
144. Seminar on *European and Non-European Paradigms*, 18th-19th January 2007, organised by "Society for Social Research", Delhi School of Economics, Delhi. Presented paper on “**Future of Knowledge: Towards Exact Humanities.**”
145. Seminar on *Engaging with Indian Civilisation: Dharampal*, 18th February, at Center for the Study of Developing Society, New Delhi: Presented paper on “**Sense of Past: Itihāsa vs. History.**”
146. National Seminar on *Classical Indian Philosophy: Present and Future*, March 1st to 3rd, 2007. Made presentation on “**Putting Indian Philosophies on Wheels: Formal Approach to Indian Thought.**”
147. Organized a National Seminar on *Changing Interface of Science and Humanities*, 28th to 30th March, 2007, at International Institute of Information Technology, Hyderabad. Made presentation on “**Accounting for Experience: A Formal Approach.**”

2007- 2008

148. Gave 18 presentations in Workshop on “**Vaiśeṣika Formal Ontology**”, at Department of Sanskrit Studies, University of Hyderabad, April 2nd to 7th 2007.
149. Gave 24 presentations in Workshop on “**Vaiśeṣika Formal Ontology**”, at the Asiatic Society, Kolkata, May 24th to 30th 2007.

150. Lecture on “**Computational Appraisal of Sanskrit Heritage**”, at Department of Sanskrit, Jadavpur University, Kolkata, 6th September, 2007.
151. 9 Lectures on “**What is Veda?: A Rational Reconstruction and the Birth of Reason**”, from 12th to 16th December, 2007 at Department of Vedic Studies, Rabindra Bharti University, Kolkata.
152. Conference on *Science and Spirituality of Healing*, from 15th to 17th January, 2008, Arsha Vidya Gurukulam, Coimbatore. Gave Presentation on “**How can Self and Mind be Formally Specified.**”
153. 12 Lectures on “**Formalizing the Ontological Core of Ayurveda**”, from 16th to 18th February, 2008, Arya Vaidya Pharmacy, Coimbatore.
154. Lecture on “**Sanskrit and Semantic Computing**”, 26th February 2008 at Center for Sanskrit Studies, Jawaharlal Nehru University, New Delhi.
155. Seminar on *Classical Indian Philosophies of Mind and Cognitive Science*, 29th February to 2nd March, 2008, Center for Behavioral and Cognitive Science, University of Allahabad, Allahabad. Gave presentation on “**Nature of the Unity of Individua.**”
156. Lecture series on “**Is there a Future of Classical Indian Philosophies**”, from 12th to 15th March 2008 at Department of Philosophy, Hyderabad Central University, Hyderabad.

2008-

157. Lecture series on “**Pre-Paninian and Paninian Linguistics**”, at Department of Vedic Studies, Rabindra Bharti University, Kolkata and Department of Philosophy, Jadavpur University, Kolkata on 7th and 8th August 2007.
158. 15 Lectures on “**Navya Vaiśeṣika**”, from 18th August to 29th August 2008 at National Workshop on *Vaiśeṣika Formal Ontology (Navya Vaiśeṣika)*, organized by Indian Council of Philosophical Research, at Philosophy Department, Jadavpur University, Kolkata,.
159. Workshop on *Future Directions in Higher Education: Role of Apex Institutions*, at International Institute of Information Technology, Hyderabad, 1st September, 2008. Made presentation on “**New Challenges in Interdisciplinary Research Spanning Humanities & Science,**”