



Dr. Girish Nath Jha

Professor of Computational Linguistics & Chairperson
Special Centre for Sanskrit Studies

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Education

M.A : 1991, Linguistics, JNU, New Delhi

M.Phil : 1993, Linguistics (Computational Morphology), JNU, New Delhi

Ph.D : 1998, Linguistics (Machine Translation), JNU, New Delhi

M.A. : 1999, Linguistics (Natural Language Interface), University of Illinois, Urbana-Champaign, USA

Research Interest

Indian languages corpora and standards, Sanskrit and Hindi linguistics, Science & Technology in Sanskrit texts, Computational Lexicography, Machine Translation, e-learning, web based technologies, RDBMS techniques, software design and localization

Employment History

- *Director*, International Collaboration, JNU (Since May 2016)
- *Chairperson*, Special Center for Sanskrit Studies, JNU (Since Feb 2016)
- *Professor* of Computational Linguistics, Special Center for Sanskrit Studies, J.N.U (since 2014)

- *Professor & Concurrent faculty*, Center of Linguistics, School of Language, Literature & Culture Studies, J.N.U (since 2014)
- *Associate Professor (PB-IV)* of Computational Linguistics, Special Center for Sanskrit Studies, J.N.U (2011-2014)
- *Associate Professor (PB-III)* of Computational Linguistics, Special Center for Sanskrit Studies, J.N.U (2008 - 2011)
- *Assistant Professor* of Computational Linguistics, Special Center for Sanskrit Studies, J.N.U (2002-2008)
- *Software Development Specialist*, Human Kinetics, Champaign, Illinois, USA (2001 – 2002)
- *Software Engineer*, Collaborative Technologies (renamed dChain Commerce), Champaign, Illinois, USA (1999 – 2001)
- *Research Assistant*, Beckman Institute for Advanced Science and Technology, University of Illinois, Urbana-Champaign, USA (1998 - 1999)
- *Research Assistant*, Dept. of Psychology, University of Illinois, Urbana-Champaign, USA (Summer, 1997)
- *Teaching Assistant*, Dept. of Linguistics, University of Illinois, Urbana-Champaign, USA (1996-1998)

Guest/Visiting Professorship (05)

5. Guest Professor, **University of Wurzburg, Germany**, under DAAD fellowship, November 2016 (forthcoming)
4. Visiting Professor, **University of Florence, Italy**, June-July 2016
3. Guest Lectureship at **University of Wurzburg, Germany** to teach a short course in Computational Linguistics at the Digital Humanities department under a DAAD fellowship during Jan, 2014
2. Guest Lectureship at **Yogyakarta State University, Indonesia** during March, 2013 to teach a one week course on Computational Linguistics to the faculty of the University.
1. Mukesh and Priti Chatter Distinguished Professor of History of Science, **University of Massachusetts Dartmouth, USA** (2009-2012)

Supervision of Research Students (45)

- M. Phil. - Supervised 31 (dissertations published by Cambridge Scholar Publishing, and Lambert Academic Publisher)
- Ph.D. - Supervised 14, (in process 16)

Consultancies (10)

10. **Nuance Communications** consultancy for Kashmiri language (Feb-April 2016)
9. **Swiftkey** consultancy for mobile phones predictive keyboard for minor Indian languages (Jan-March 2015)

8. **EZ Data Intelligence (EZDI)** consultancy for research in smart text processors for medical domain, 2013-
7. **Microsoft Research**, Redmond, USA for Machine Translation for Indian Languages, July-August 2012
6. **Linguistic Data Consortium (LDC), University of Pennsylvania**, Philadelphia, USA for narrow band data for language identification by computers, January - April 2011
5. **Center of Indic Studies, University of Massachusetts, Dartmouth**, USA, for exploring scientific texts in Sanskrit, 2010-12
4. **Center for Development of Advanced Computing (CDAC)**, Pune consultancy for Software Localization, 2007
3. **Microsoft Research India** for POS tagging project for Indic languages, November 2006-January 2007
2. **Microsoft India** for Handwriting Recognition for Devanagari, February – June 2006
1. **Mahatma Gandhi International Hindi University**, Wardha (then New Delhi) for database system for dialects of Hindi (2002-2003)

Projects (06)

6. **Shallow Parser Tools (SP Tools) for Indian Languages - Maithili**, as Director, funded under the Technology Development for Indian Languages (TDIL) program by the Ministry of Communications and Information Technology (MCIT), March , 2012 onwards
5. **Indian Languages Corpora Initiative (ILCI)-phase2**, as Director and Consortium Leader, funded under the Technology Development for Indian Languages (TDIL) program by the Ministry of Communications and Information Technology (MCIT), 2012-2016
4. **Indian Languages Corpora Initiative (ILCI)-phase1**, as Director and Consortium Leader, funded under the Technology Development for Indian Languages (TDIL) program by the Ministry of Communications and Information Technology (MCIT), 2009-2012
3. **Developing Computational Tools For Sanskrit And Sanskrit-Hindi Machine Translation**, as Director, funded under the Technology Development for Indian Languages (TDIL) program by the Ministry of Communications and Information Technology (MCIT), March 28, 2008 onwards
2. **Online Multilingual Amarakosa**, as Director: funded by JNU under UPOE program of UGC, 2005-2007
1. **Database system for dialects of Hindi** as co-director: Under my supervision , a team of software engineers developed a VB-SQL server software for dialect mapping of Hindi, sponsored and run by MGAHU, New Delhi, 2002-2003

Research papers/articles(123)

123. "*Indo Aryan languages on IMAGACT*", Girish Nath Jha, Atul Kumar Ojha, Sharmin Muzaffar, Pitambar Behera, in IMAGACT Panel, MODELACT Conference on "Action, Language and Cognition", CNR, Rome, 6-7 June 2016
122. "*Classification and Identification of Reduplicated Multi-Word Expressions in Hindi*", Renu Singh¹, Atul Kr. Ojha and Girish Nath Jha, Procs of the 3rd Workshop on Indian Language Data Resource and Evaluation (WILDRE-3), Lexical Resource Evaluation Conference (LREC), Portoroz, Slovenia, May 24, 2016
121. "*Classification and Resolution of Linguistic Divergences in English-Urdu Machine Translation*", Sharmin Muzaffar, Pitambar Behera, Girish Nath Jha, Procs of the 3rd Workshop on Indian Language Data Resource and Evaluation (WILDRE-3), Lexical Resource Evaluation Conference (LREC), Portoroz, Slovenia, May 24, 2016
120. "*Verb Mapping: A Dilemma in Sanskrit-Hindi Machine Translation*", Kumar Nripendra Pathak, Girish Nath Jha, Procs of the 3rd Workshop on Indian Language Data Resource and Evaluation (WILDRE-3), Lexical Resource Evaluation Conference (LREC), Portoroz, Slovenia, May 24, 2016
119. "*A Hybrid Chunker for Hindi and Indian English*", Atul Kr. Ojha, Srishti Singh, Pitambar Behera, Girish Nath Jha, Procs of the 3rd Workshop on Indian Language Data Resource and Evaluation (WILDRE-3), Lexical Resource Evaluation Conference (LREC), Portoroz, Slovenia, May 24, 2016
118. "*Evaluation of Anuvadakh (EILMT) English-Odia Machine-assisted Translation*" Tool, Pitambar Behera, Renu Singh & Girish Nath Jha, Procs of the 3rd Workshop on Indian Language Data Resource and Evaluation (WILDRE-3), Lexical Resource Evaluation Conference (LREC), Portoroz, Slovenia, May 24, 2016
117. "*Training & Evaluation of POS Taggers in Indo-Aryan Languages: A Case of Hindi, Odia and Bhojpuri*", Atul Kumar Ojha, Pitambar Behera, Srishti Singh and Girish Nath Jha, proceedings of 7th LTC, Poznan, Poland, 27-29 Dec 2015
116. "*Issues and Challenges in Developing Statistical PoS Taggers for Sambalpuri*", Pitambar Behera, Atul Kumar Ojha and Girish Nath Jha, proceedings of 7th LTC, Poznan, Poland, 27-29 Dec 2015
115. "*The TypeCraft Natural Language Database: Annotating and Incorporating Urdu*", Pitambar Behera, Sharmin Muzaffar, Girish Nath Jha, Lars Hellan and Dorothee Beermann, in the proceedings of regilCON-2015, to appear in "Indian Journal of Science & Technology"
114. "*Statistical Tagger for Bhojpuri (employing Support Vector Machine)*", Srishti Singh, Girish Nath Jha, International Conference on Advances in Computing, Communications and Informatics (ICACCI), 2015, Pages: 1524 - 1529, DOI: 10.1109/ICACCI.2015.7275829

113. "*Sanskrit manuscripts digitization and beyond : the current status in India*", presented at WAVES-2014, Maharishi University of Management, Fairfield, Iowa, USA, Aug 3, 2014
112. "*Issues in mapping of Sanskrit-Hindi verb forms*", Nripendra Kumar Pathak, Girish Nath Jha, proceedings of the "2nd Workshop on Indian Language Data Resource and Evaluation" held under LREC at Reykjavik, Iceland, 26-31 May 2014
111. "*Evaluation of Hindi-English MT Systems*", Atul Kr Ojha, Akanskha Bansal, Sumedh Hadke, Girish Nath Jha, proceedings of the "2nd Workshop on Indian Language Data Resource and Evaluation" held under LREC at Reykjavik, Iceland, 26-31 May 2014
110. "*Issues in chunking parallel corpora: mapping Hindi-English verb group in ILCI*", Esha Banerjee, Akansha Bansal, Girish Nath Jha, proceedings of the "2nd Workshop on Indian Language Data Resource and Evaluation" held under LREC at Reykjavik, Iceland, 26-31 May 2014
109. "*Mapping Indian Languages onto the IMAGACT Visual Ontology of Action*", poster by Massimo Moneglia, Susan W. Brown, Aniruddha Kar, Anand Kumar, Atul Kumar Ojha, Heliana Mello, Niharika Mishra, Girish Nath Jha, Bhaskar Ray, Annu Sharma, proceedings of the "2nd Workshop on Indian Language Data Resource and Evaluation" held under LREC at Reykjavik, Iceland, 26-31 May 2014
108. "*Challenges in Indian Language Transliteration: a case of Devanagari, Bangla and Manipuri*", poster by K Kabi Khanganba and Girish Nath Jha, proceedings of the "2nd Workshop on Indian Language Data Resource and Evaluation" held under LREC at Reykjavik, Iceland, 26-31 May 2014
107. "*Indian languages on the TypeCraft platform – the case of Hindi and Odia*", poster by Girish Nath Jha, Lars Hellan, Dorothee Beermann, Srishti Singh, Pitambar Behera and Esha Banerjee, proceedings of the "2nd Workshop on Indian Language Data Resource and Evaluation" held under LREC at Reykjavik, Iceland, 26-31 May 2014
106. "*Semantic relations in Panini's karaka system: challenges for computer processing*", Explorative Workshop: by Jawaharlal Nehru University and University of Zurich on "Relationships of Possession: Linguistic, Literary, Philosophical and Legal Perspectives", 17-19 February 2014, JNU, New Delhi
105. "*Computer Processing of South Asian Languages - the case of Sanskrit (presented by Sachin Kumar and Diwakar Mishra)*", in Special session on, "Recent Developments in Sanskrit Computational Linguistics", at the 30th Round Table of South Asian Language Analysis, Department of Sanskrit Studies, School of Humanities, University of Hyderabad, 8th Feb, 2014

104. *A Generic Search for Heritage Texts*, Kumar Nripendra Pathak, Girish Nath Jha in *Human Language Technologies as a Challenge for Computer Science and Linguistics* (proceedings of the 6th LTC), Zygmunt Vetulani & Hans Uszkoreit (ed), pp 504-508, Fundacja, Uniwersytetu im. A. Mickiewicza, Poznan, Poland, 2013
103. *Linking and Referencing Multi-lingual corpora in Indian languages*, Esha Banerjee, Shiv Kaushik, Pinkey Nainwani, Akanksha Bansal, Girish Nath Jha in *Human Language Technologies as a Challenge for Computer Science and Linguistics* (proceedings of the 6th LTC), Zygmunt Vetulani & Hans Uszkoreit (ed), pp 65-68, Fundacja, Uniwersytetu im. A. Mickiewicza, Poznan, Poland, 2013
102. *Corpora creation for Indian Language Technologies – the ILCI project*, Akanksha Bansal, Esha Banerjee, Girish Nath Jha in *Human Language Technologies as a Challenge for Computer Science and Linguistics* (proceedings of the 6th LTC), Zygmunt Vetulani & Hans Uszkoreit (ed), pp 253-257, Fundacja, Uniwersytetu im. A. Mickiewicza, Poznan, Poland, 2013
101. *Syllabification and stress assignment in phonetic Sanskrit text*, Diwakar Mishra, Kalika Bali, Girish Nath Jha, poster presentation at International Oriental COCODA 2013 conference, KIIT, Gurgaon, India, Nov 27, 2013
100. *Lexical Database System for Accessing India's Heritage Texts (With special reference to Ayurveda)*, with Baldev Ram Khandoliyan , published in "Lexicography and Dictionaries in the Information Age" (Selected papers from the "8th ASIALEX International Conference", Bali, Indonesia, 20-22 August 2013), edited by Deny A. Kwary, Nur Wulan and Lilla Musyahda, ISBN 978-602-7924-20-8, pp157-165
99. *Annotating Sanskrit corpus – adapting IL-POSTS*, Girish Nath Jha, Madhav Gopal, Diwakar Mishra in *Human Language Technology: Challenges for Computer Science and Linguistics* (revised and selected papers from 4th LTC), pp 371-379, Zygmunt Vetulani (ed), Springer Verlag, Germany, 2009
98. *"Digital libraries, electronic access and search for texts of Vedantic tradition"* in the 21st International Congress of Vedanta, University of Massachusetts, Dartmouth, July 11-14, 2013
97. *Anaphora Resolution in Sanskrit: Issues and Challenges*, jointly with Madhav Gopal, presented in *"Sanskrit syntax and discourse structures"* , international seminar organized by University of Paris Diderot, June 13-15, 2013
96. *Text Normalizer for Sanskrit*, jointly with Diwakar Mishra and Kalika Bali, in the proceedings of "5th International Sanskrit Computational Linguistics Symposium", Malhar Kulkarni (ed), DK Printworld, Delhi, 2013
95. *Using the ILCI Annotation Tool for POS Annotation: A Case of Hindi*, Ritesh Kumar, Shiv Kaushik, Pinkey Nainwani, Esha Banerjee, Sumedh Hadke, Girish Nath Jha, *International Journal of Computational Linguistics and Applications (IJCLA)*, VOL. 3, NO. 2, JUL-DEC 2012, PP. 93–104, guest editor: Yasunari Harada, Editor in-chief: Alexander Gelbukh, Bahri Publications, Delhi, ISSN: 0976-0962.

94. *Arya vs Dravida and linguistic foundations of Indian languages*, International WAVES Conference 2012, University of Massachusetts, Dartmouth, MA, USA, July14, 2012.
93. *Developing Sanskrit Corpora Based on the National Standard: Issues and Challenges*, with Madhav Gopal, proceedings of "Workshop on Indian Language Data: Resource and Evaluation", Language Resource Evaluation Conference (LREC), Istanbul, e-publication by European Language Resource Association (ELRA), May, 2012
92. *Challenges in Developing Named Entity Recognition System for Sanskrit*, with Sachin Kumar and Sobha Lalitha Devi, proceedings of "Workshop on Indian Language Data: Resource and Evaluation", Language Resource Evaluation Conference (LREC), Istanbul, e-publication by European Language Resource Association (ELRA), May, 2012
91. *Grapheme-to-Phoneme converter for Sanskrit Speech Synthesis*, with Diwakar Mishra and Kalika Bali, proceedings of "Workshop on Indian Language Data: Resource and Evaluation", Language Resource Evaluation Conference (LREC), Istanbul, e-publication by European Language Resource Association (ELRA), May, 2012
90. *Text encoding and search for Āyurvedic texts: an interconnected lexical database*, proceedings of the workshop on "Adaptation of language resources and tools for processing cultural heritage objects", Language Resource Evaluation Conference (LREC), Istanbul, e-publication by European Language Resource Association (ELRA), May, 2012
89. *Transfer grammar for Sanskrit-Hindi Machine Translation*, co-author with Kumar Nripendra Pathak, World Sanskrit Conference, Delhi, Jan5-10, 2012
88. *Strategies for Anaphora Handling in Panchatantra*, co-author with Madhav Gopal, World Sanskrit Conference, Delhi, Jan5-10, 2012
87. *Theory of Anaphora resolution in traditional Sanskrit texts*, co-author with Diwakar Mishra, World Sanskrit Conference, Delhi, Jan5-10, 2012
86. *Standard Text encoding scheme and search for Ayurvedic texts*, co-author with Archana Tiwari, World Sanskrit Conference, Delhi, Jan5-10, 2012
85. *Strategies for Semantic representation of Karma Karaka (karturipsitatamam karmam)*, co-author with Manji Bhadra, World Sanskrit Conference, Delhi, Jan5-10, 2012
84. *Knowledgebase for Sanskrit-Hindi machine Translation divergences*, co-author with Diwakar Mani, World Sanskrit Conference, Delhi, Jan5-10, 2012
83. *Resolving Anaphors in Sanskrit*, co-author with Madhav Gopal, proceedings of 5th LTC, Poznan, Poland, Nov 25-27, 2011

82. *Creating Multilingual Parallel Corpora in Indian Languages*, Co-author with Narayan Choudhary, proceedings of 5th LTC, Poznan, Poland, Nov 25-27, 2011
81. *Issues in annotating less resourced languages - the case of Hindi from Indian Languages Corpora Initiative* (co-author with Pinkey Nainwani, Esha Banerjee, Shiv Kaushik), proceedings of 5th LTC, Poznan, Poland, Nov 25-27, 2011
80. *A Rule based Method for the Identification of TAM features in a PoS Tagged Corpus*, Co-author with Narayan Choudhary, Pramod Pandey, proceedings of 5th LTC, Poznan, Poland, Nov 25-27, 2011
79. "*Origin and Development of Indian Languages and Linguistic Area*", in *Perspectives on the Origin of Indian Civilizations* (Angela Marcantonio, Girish Nath Jha ed.), DK Printworld, Delhi, 2012
78. "*Paninian System of Languages: A Computational Paradigm*", Invited paper in the "Vedanta & Science Symposium", Center for Indic Studies, University of Massachusetts, Dartmouth, July6, 2011
77. *Challenges in NP-case mapping in Sanskrit-Hindi machine translation*, Kumar Nripendra Pathak, Girish Nath Jha, in "Information Systems for Indian Languages: International Conference, ICISIL" , Chandan Singh, Gurpreet Singh Lehal, Jyotsna Sengupta, Dharam Veer Sharma, Vishal Goyal (eds), Springer, ISSN 1865-0929, pp 289-293, 2011
76. *Challenges in developing a TTS for Sanskrit*, Diwakar Mishra, Girish Nath Jha, Kalika Bali, in "Information Systems for Indian Languages: International Conference, ICISIL" , Chandan Singh, Gurpreet Singh Lehal, Jyotsna Sengupta, Dharam Veer Sharma, Vishal Goyal (eds), Springer, ISSN 1865-0929, pp 228-231, 2011
75. *Tagging Sanskrit using BIS POS Tagset*, Madhav Gopal, Girish Nath Jha, in "Information Systems for Indian Languages: International Conference, ICISIL" , Chandan Singh, Gurpreet Singh Lehal, Jyotsna Sengupta, Dharam Veer Sharma, Vishal Goyal (eds), Springer, ISSN 1865-0929, pp 191-194, 2011
74. *Sanskrit verb argument valence: a computational analysis*, co-author with Subhash Chandra, proceedings of the O-COCOSDA 2010, Kathmandu
73. *Translating politeness across cultures: case of Hindi and English*, co-author with Ritesh Kumar (presented by Ritesh Kumar), procs of 3rd ACM International Conference on Inter-cultural collaboration, Copenhagen Business School, Denmark, 18-20 Aug, 2010
72. *SaHiT - Sanskrit-Hindi Translator*, in the 8th International conference of the WAVES, at Trinidad & Tobago, West Indies, August 5, 2010
71. *Text Encoding and Search for Sanskrit* at the "19th International Vedanta Congress", organized by Center of Indic Studies, University of Massachusetts, Dartmouth, July 30, 2010

70. *SATIAIT – progress report and translation of Rasaayana-saara*, presented at the "Symposium on Science and Technology in Ancient Indian Text", Center of Indic Studies, University of Massachusetts, Dartmouth, USA, July 26, 2010
69. *The TDIL program and the Indian Language Corpora Initiative (ILCI)*, Proceedings of the Seventh conference on International Language Resources and Evaluation (LREC'10), published by ELRA, isbn 2-9517408-6-7, pp982-985, Valletta, Malta, May 19-21, 2010
68. *Multilingual Multimodal Resources of the future: challenges and opportunities for India* (with Ritu Nidhi), abstract accepted for W3C international conference titled "World Wide Web: Technology, Standards and Internationalization Conference", May 6-7, 2010, New Delhi
67. *Online Multilingual Amarakosha: the relational lexical database* (with R. Chandrashekar, Umesh Kumar Singh, Vibhuti Nath Jha, Satyendra Pandey, Surjit Kumar Singh, Mukesh Mishra), demo paper in the proceedings of the 5th Global Wordnet Conference, IIT Mumbai, Feb1, 2010
66. *Annotating Sanskrit corpus – adapting IL-POSTS* (with Madhav Gopal and Diwakar Mishra), published in the proceedings of the 4th International Language technology Conference, Poznan, Poland, Nov 2009
65. *Discourse Anaphora and Resolution Techniques in Sanskrit*, with Sobha L, Diwakar Mishra , accepted as poster paper at the 7th Discourse Anaphora and Ambiguity Resolution Colloquium (DAARC-2009), held in Goa, India, Nov 5-6, 2009
64. *Linguistic pedagogy and e-learning: the case for Sanskrit*, co-author with Prachi Sinha & Priti Bhowmik, accepted for "Contemporary Themes and Issues in Language Pedagogy" vol2, Vaishna Narang ed, 2009
63. *Automatic Indexing System for texts of Indian Intellectual Tradition*, with Diwakar Mani, Umesh Kumar Singh, Prachi Sinha, presented at 18th International Vedanta Congress, University of Massachusetts, Dartmouth, July16-19,2009
62. "*Sanskrit teaching: Multimedia methodology and tools*", Prachi Sinha, Girish Nath Jha, in LANGUAGE IN INDIA, vol 9:11, November 2009, ISSN 1930-2940 (Proceedings of "All-India Conference on Multimedia Enhanced Language Teaching – MELT 2009" edited by L. Ramamoorthy and J. R. Nirmala)
61. *Sanskrit Analysis System (SAS)*, with Manji Bhadra, Surjit Kumar Singh, Sachin Kumar, Subash, Muktanand Agrawal, R.Chandrasekhar, Sudhir K Mishra, in *Lecture Notes in Computer Science* 5402 Springer Berlin / Heidelberg, ISBN 978-3-540-93884-2 (Amba P. Kulkarni, Gérard P. Huet eds) pp116-133, 2009
60. *An algorithm for morpho-phonemic processing of Sanskrit*, Sachin Kumar, Diwakar Mishra , Girish Nath Jha, presented by Sachin Kumar & Diwakar Mishra at 3rd

59. *Architecture of dyna-content web-applications*, Girish Nath Jha, invited paper at "Requirement Workshop on Assessment Needs of Website of Animal Sciences, Dairy Science, Education and Research along with Transfer of Technology under NAIP funded AGROWEB Sub-Project (Component-I)", National Dairy Research Institute, Karnal, Oct 3, 2008
58. *Anaphors in Sanskrit*, with Sobha L, Diwakar Mishra , Surjit K Singh, Praveen Pralayankar, Johansson, C. (Ed.) Proceedings of the Second Workshop on Anaphora Resolution (2008), ISSN 1736-6305 Vol. 2, Cambridge Scholars Publishing, 2007
57. *Semantic processing in Panini's karaka system*, Girish N Jha, Sudhir K Mishra, (*Lecture Notes in Computer Science* series) 5402 Springer Berlin / Heidelberg, ISBN 978-3-642-00154-3 (Gérard P. Huet, Amba P. Kulkarni, Peter Scharf eds) pp 239-252, 2009
56. *Bhaarat men bhasha praudyogiki: ek sarvekshan*, Girish N Jha, Diwakar Mani, Diwakar Mishra, *Gaveshana*, Kendriya Hindi Sansthan, Agra, vol 90, 2008
55. *A Common Parts-of-Speech Tagset Framework for Indian Languages*, Sankaran Baskaran, Kalika Bali, Tanmoy Bhattacharya, Pushpak Bhattacharyya, Monojit Choudhury, Girish Nath Jha, Rajendran S., Saravanan K., Sobha L., KVS Subbarao, LREC 2008 - 6th Language Resources and Evaluation Conference, May 26-June1, 2008, Marrakech, Morocco
54. *Issues in computer processing of languages – a case for Sanskrit*, presented at the International Symposium on Brain Cognition & Behavior, jointly organized by Center for Linguistics, SLL&CS, J.N.U. and Utrecht University (UU), Netherlands, March14-15, 2008
53. *Designing a Common POS-Tagset Framework for Indian Languages* (co-author with Sankaran Baskaran, Kalika Bali, Tanmoy Bhattacharya, Pushpak Bhattacharyya, Rajendran S, Saravanan K, Sobha L and Subbarao K V), presented (by Kalika Bali) at *International Joint Conference on Natural Language Processing (VI workshop on Asian Language Resources)*, IIIT, Hyderabad, Jan 11, 2008
52. *Morphological Analyzer for Great Andamanese Verbs: Implementing a Concatenative Template*, coauthor with Narayan Choudhary and Anvita Abbi, *Vishwabharat* (April 2007 January 2008 Journal) 113-118. TDIL, New Delhi
51. *Survey of e-content in virtual media: the case of Sanskrit*, presented in a national seminar on *teaching through e-learning*, Central Institute of Higher Tibetan Studies, Sarnath, Dec29-30,2007
50. *software localization me bhasha sambandhi samasyaem*, in *Gaveshana*, Kendriya Hindi Sansthan, Agra, vol88,2007

49. *Sanskrit Computational Linguistics*, presented at a national seminar on “Relevance of Sanskrit for science and technology” organized by Gandhi Memorial National College, Ambala, Dec 8, 2007
48. *Inflectional Morphology Analyzer for Sanskrit*, Sanskrit Computational Linguistics (*Lecture Notes in Computer Science* series) 5402 Springer Berlin / Heidelberg, ISBN 978-3-642-00154-3 (Gérard P. Huet, Amba P. Kulkarni, Peter Scharf eds) pp 219-238, 2009
47. *Sanskrit e-learning: Grammar-Lexicon*, paper presented at "National Seminar on Teaching of Sanskrit through e-learning" organized by NCERT, Aug30, 2007.
46. *Optimality re-investigation of Hindi stress system*, Rainbow of Linguistics (Vol I, 2007, pp 72-78), T. Media Publication, 33, College Row, Kolkata-700009
45. *Indian Theories of Knowledge compared with Western Theories and Artificial Intelligence*, appeared in Creative Forum – journal of literary and creative writings (pp-63-76), Vol. 20, No.1, Jan-July2007, Bahri Publications(2006), New Delhi
44. *Localization (l10n) of web-applications: strategies for Hindi/Sanskrit*, presented at the Workshop on Localization of e-Governance Applications: Issues & Standards, February 21-22, 2007, Le Meridien, New Delhi, organized by MAIT and MCIT
43. *Knowledge modeling in India: an Artificial Intelligence perspective*, accepted for the *Indology Journal*, International Indology Conference, Goa, Feb8-10, 2007
42. *A Natural Language Interface for Databases*, procs of National Conference in Methods and Models in Computing [NCM2C 2006], School of Computer & Systems Sciences, J.N.U., Dec 2006, Macmillan India Ltd., Delhi, pp75-91
41. *Proposing a System for Identifying Divergent Sentences in Russian-English Machine Translation*, co-author with Ainura Asamidinova, procs. of National Conference in Methods and Models in Computing [NCM2C 2006], School of Computer & Systems Sciences, J.N.U., Dec 2006, Macmillan India Ltd., Delhi, pp161-171
40. *Linguistic and cultural challenges for software localization (l10n): the case of Hindi/Sanskrit*, presented at a national seminar on Technology development for content creation and Localization in Indian languages, organized by CSTT, MHRD, Govt. of India and RKGIT, Gaziabad at RKG Institute of Technology, Gaziabad, Dec 1, 2006
39. *Hierarchical vs. flat tagsets*, presented at Microsoft Research India, Bangalore, 28th October, 2006
38. *Computer applications for Lexicography*, at Central Hindi Institute, Agra, in the workshop on “Hindi dialect dictionary”, Oct 16,2006
37. *Problems in Hindi Computing*, at Central Hindi Institute, Agra, in the workshop on “Hindi dialect dictionary”, Oct 16,2006

36. *Strategies for metrical analysis of Sanskrit text*, co-author with Diwakar Mishra , procs of National Seminar on Perspectives in Linguistics, Kashmir University, Srinagar, 2006
35. *Issues in Sandhi Processing of Sanskrit* co-author with Sachin Kumar, presented by Sachin at 28th All India Conference of Linguists, Department of Linguistics, BHU, 02-04 Nov 2006
34. *Karaka based Sentence validation System*, co-author with S.K. Mishra, presented by S.K.Mishra at 28th All India Conference of Linguists, Department of Linguistics, BHU, 02-04 Nov 2006
33. *Sanskrit language pedagogy: An e- learning approach* , co-author with Priti Bhowmik, presented by Girish N Jha at 28th All India Conference of Linguists, Department of Linguistics, BHU, 02-04 Nov 2006
32. *Online indexing system for Ashtadhyayi*, co-author with Diwakar Mishra , presented by Diwakar Mishra at 28th All India Conference of Linguists, Department of Linguistics, BHU, 02-04 Nov 2006
31. *Verb phrase Analyzer of Great Andamanese* , co-author with Narayan Kumar Chaudhary, Anvita Abbi, presented by Narayan at 28th All India Conference of Linguists, Department of Linguistics, BHU, 02-04 Nov 2006
30. *Strategies for Identifying and Processing Derived Nouns in Sanskrit* , co-author with Surjit Kumar Singh, presented by Surjit at 28th All India Conference of Linguists, Department of Linguistics, BHU, 02-04 Nov 2006
29. *Translating Russian Impersonal Constructions into English: A Study by MT Errors*, co-author with Ainura Asamidinova, P.K. Pandey, abstract published by the 28th All India Conference of Linguists, Department of Linguistics, BHU, 02-04 Nov 2006
28. *Sanskrit Subanta Recognizer and Analyzer for Machine Translation* , co-author with Subash, presented by Subash at 28th All India Conference of Linguists, Department of Linguistics, BHU, 02-04 Nov 2006
27. *Online Indexing of Ādiparva of Mahābhārata* , co-author with Diwakar Mani, presented by Diwakar Mani at 28th All India Conference of Linguists, Department of Linguistics, BHU, 02-04 Nov 2006
26. Regional and Linguistic perspectives on Internationalization of Web: The case of Hindi/Sanskrit, presented at *Summit on Internationalization*, organized by W3C and MAIT, at hotel Grand Ashoka, Bangalore, August 24-25, 2006
25. *Towards a Computational Analysis System for Sanskrit*, invited paper at *The First National Symposium on Modeling and Shallow Parsing of Indian Languages (MSPIL-*

- 06) 31st March - 4th April, 2006 at IIT Bombay, appeared in the procs of the symposium
24. *Computational lexicography and Amarakosha : an online RDBMS approach*, National Seminar of Language and Interface, Dept. of Linguistics, Delhi University, March 25, 2006
 23. *Language Technology in India: A survey*: November 2005 Issue of C.S.I. magazine
 22. *A Paninian Sandhi analyzer for Sanskrit*, co-author with Sachin (presented by Sachin at Platinum Jubilee International Conference, L.S.I. at Hyderabad University, Hyderabad 6-8 dec, 2005)
 21. *Morphological analysis of nominal inflections in Sanskrit*, co-author with Subash (presented by Subash at Platinum Jubilee International Conference, L.S.I. at Hyderabad University, Hyderabad 6-8 dec, 2005)
 20. *Karaka analysis of complicated Sanskrit sentences*, co-author with Sudhir K Mishra (presented by Sudhir K Mishra at Platinum Jubilee International Conference, L.S.I. at Hyderabad University, Hyderabad 6-8 dec, 2005)
 19. *Developing a Sanskrit Analysis System for Machine Translation*, presented at the National Seminar on *Translation Today: state and issues*, Deptt. of Linguistics, University of Kerala, Trivandrum, August 23-25, 2005
 18. *Socio-psychological motivations for Maithili-Hindi code switching*, procs of the AsiaLex conference at National University of Singapore, Singapore, June 1-3, 2005
 17. *Information technology applications for Sanskrit lexicography: case of Amarakosha*, procs of the AsiaLex conference at National University of Singapore, Singapore, June 1-3, 2005
 16. *Devanagari on computer: problems and current status*, presented at the Workshop on Hindi support and compatibility for computers at JNU, New Delhi, March 31-April 1, 2005
 15. *Identifying verb inflections in Sanskrit morphology*, (with Sudhir Mishra) *proceedings of SIMPLE'04, IIT Kharagpur, 2005*
 14. *IT initiatives for Sanskrit in India*, accepted for the Sanskrit conference at Bangkok, Thailand, June 23-36, 2005
 13. *Astadyayi Online*, (with Prof. G.V.Singh), *Proceedings of International Conference on Speech and Language Technology*, New Delhi, Nov, 2004, Tata McGraw Hill, 2004
 12. *A karaka analyzer for Sanskrit* (with Sudhir Mishra), *Proceedings of International Conference on Speech and Language Technology*, New Delhi, Nov, 2004, Tata McGraw Hill, 2004

11. *Generating nominal inflectional morphology in Sanskrit*, SIMPLE 04, IIT-Kharagpur Lecture Compendium, Shyama Printing Works, Kharagpur, WB, March, 2004
10. Optimality re-investigation of Hindi stress system, *presented at 30th International conference on Systemic Functional Linguistics, Lucknow, 2003*
9. LexFace: a lexical interface for English-Hindi translation for share-market, *South Asian Language Review*, Vol. No. XI. P 52-59, *New Delhi*
8. The system of Panini, *Language in India*, volume4:2 February 2004
7. Current trends in Indian languages technology *Language In India*, volume 3:12 December 2003
6. Jason lives ! The innate horror !! *Language in India*, volume 3:10 October 2003
5. A Prolog Analyzer/Generator for Sanskrit Subanta Padas, *Language in India*, volume 3:11 November 2003
4. *English-SQL interface for databases* (with Jerry Morgan, head of the dept of linguistics at U of I, Urbana-Champaign) presented at an international conference on SALA held at University of Illinois in July 1999
3. *Lexical conceptual structure and domain based machine translation system* (with Kapil Kapoor, G.V.Singh) presented at a symposium on Machine Aids for translation & communication, JNU, April11-12 1996)
2. *Proposing a computational system for Nominal Inflectional Morphology in Sanskrit* (Proc. of national seminar on "Reorganization of Sanskrit Shastras with a view to prepare their computational database", January, 1995)
1. *Indian theory of knowledge: an AI perspective* (proc. of national seminar on "Inference Mechanisms in Shastras and Computer Science", Academy of Sanskrit Research, Malcote, Mysore, April, 1994)

Invited Lectures/Talks (128)

128. "*Digital Humanities and heritage texts in Sanskrit*", invited talk in a national seminar titled "Leaning of Sanskrit shastras in present system" organized by Delhi University South Campus, 12th March, 2016

127. "*Language Technology digital humanities and Indian heritage*", invited talk in a national seminar on "Sustenance of Sanskrit", organized by SCSVMV University, Kanchipuram, March 4, 2016

126. "*New directions in Sanskrit research - Computational Linguistics*", invited talk at Shri Lal Bahadur Rashtriya Sanskrit Vidyapeeth, New Delhi, 25th Feb, 2016

125. "*Computational Linguistics and Sanskrit*", invited talk at Motilal Nehru College, Delhi University, 20th Feb 2016
124. "*Technology resource creation for Indian languages - a case of Sindhi*", invited talk in a national seminar on Sindhi NLP organized by Aryabhata College, Delhi University, 19th Feb 2016
123. "*Structured Language Resources (SLR) creation at JNU*", invited talk in a seminar titled *Real time translation among Indian languages* organized by TIFAC, DST, New Delhi, 11 Feb 2016
122. "*Big Data and the language of Gods*", invited talk at "5th National Sanskrit Journalists Seminar", Akshar Dham, Delhi, 10 Dec, 2015
121. "*India's Ancient Manuscripts - complexities and challenges for language informatics*", Delivered at "Institute of Linguistics, Adam Mickiewicz University, Poznan, Poland, 30 Nov, 2015
120. "*Computational Linguistics and India*", Academic Staff College, JNU, Sept1, 2015
119. "*Panini Computing: challenges and gains for AI*", NCERT, 28 Aug, 2015
118. "*Innovations in Sanskrit education*", St. Thomas School, Noida, 27 Aug, 2015
117. "*IT for Indian language and Literature*", Academic Staff College, JNU, 26 August, 2015
116. "*Big data and recent trends in language informatics in India*", delivered in the national seminar on "Linguistics in Humanities", organized by Dept. of Linguistics, Delhi University, March 10-11, 2015
115. "*Indian Heritage and Prakrit in the age of Information & Communication Technology*", invited talk in the national Seminar on Prakrit, Shri Lal Bahadur Rashtriya Sanskrit Sansthan, Delhi, Feb 26, 2015
114. "*Sanskrit education in India – policies and innovations*", invited talk at the Nectarland Book release, India Habitat Center, Delhi, Feb 14, 2015
113. Invited lectures and labs in the "Faculty Development Program (FDP) on Natural Language Processing" at Dept. of Computer Science & engineering, A K Garg Engineering College, Ghaziabad, Jan 30-31, 2015
112. "*Conclave on Language Informatics: South and South East Asian Languages (CLI-SSEAL)*", presentation at Cambridge University Press, Delhi, 12 January, 2015
111. "*The Sharada project - background information*", delivered in the inaugural session of the "5-day National Workshop on Sharada script" organized by Millennium Indian Education Foundation (MIEF) at Department of Sanskrit, Mumbai University", Nov 6, 2014

110. "*Resource poverty to resource hunting - the case of Indian languages*". delivered at a national seminar on "Towards standardizing Khasi for Computational Purposes", St Anthony's College, Shillong, Oct 28, 2014
109. "*Languages Technology and Education: India and Indonesia*", Talk delivered at Yogyakarta State University, in an Exploratory Seminar in JNU-YSU collaboration, Oct 10, 2014
108. "*Preserving and promoting Sanskrit Manuscripts - Digitization and beyond*", Talk delivered in "National Workshop on Research Methodology in Sanskrit" at Rashtriya Sanskrit Sansthan, Agartala, Sept 20, 2014
107. "*Information Technology innovations and fundamental sciences in Sanskrit - : A multidisciplinary approach to research*", Talk delivered in "National Workshop on Research Methodology in Sanskrit" at Rashtriya Sanskrit Sansthan, Agartala, Sept 19, 2014
106. "*Language Technology, corpora and standards for Indian languages* ", Talk delivered at the Center for Indic Studies, University of Massachusetts, Dartmouth, Aug 29, 2014
105. "*Sanskrit in the school curriculum – looking ahead*", DPS R K Puram, August 14, 2014
104. "*Sanskrit in the age of IT – the age of innovation*", ARSD College, Delhi University, August 14, 2014
103. "*ICT applications and innovations for Sanskrit - a practical approach*", NCERT, New Delhi, Aug 8, 2014
102. "*NLP and Indian Languages*", at the Refresher Course in Computer Sciences and Information Technology at Academic Staff College, JNU, July 28, 2014
101. "*Computational Linguistics for Sanskrit: a viable research option*", talk delivered at the CPDHE, Delhi University, July 10, 2014
100. "*Knowledge representation in man and machine - philosophy and beyond*", Dept of Linguistics, Gujarat University, Ahmadabad, 21 March, 2014
99. "*Sanskrit Computational Linguistics: Opportunities and Challenges*", talk delivered at Shri Lal Bahadur Rashtriya Sanskrit Vidyapeeth, Delhi, February 25, 2014
98. "*Language Technology Resources and challenges in emerging India*", Dept of Letters & Philosophy, University of Florence, Italy, Jan 22, 2014
97. "*Making most of diversity – Language Technology in India*", German Center for Artificial Intelligence (DFKI), Berlin, Germany, Jan 20, 2014

96. *Corpora, Standards and Language Technology – a tale of emergent India*, Wurzburg Center for Modern India, University of Wurzburg, Germany, Jan 16, 2014
95. *Language diversity in India - a challenge for resource creation*, German Center for Artificial Intelligence (DFKI), Saarbrucken, Germany, Jan 13, 2014
94. *Indian Languages, Unicode and Automatic Transliteration*, Institute of Linguistics, Adam Mickiewicz University, Poznan, Poland, Dec 12, 2013
93. *Computer Processing and Natural Language Engineering of Indian Languages: the Case study of Sanskrit - II*, Faculty of Mathematics and Computer Science, Adam Mickiewicz University, Poznan, Poland, Dec 11, 2013
92. *Computer Processing and Natural Language Engineering of Indian Languages: the Case study of Sanskrit - I*, Faculty of Mathematics and Computer Science, Adam Mickiewicz University, Poznan, Poland, Dec 10, 2013
91. *Language Technology Resource (LTR) development and India*, invited talk in UGC Sponsored One Week National Workshop on Multilingual Technologies, Punjabi University, Patiala, Nov 12, 2013
90. *Science And Technology In Ancient Indian Texts (SATIAIT) - the latest report*, presented at the Dept of Chemistry, University of Massachusetts, Dartmouth, July 18, 2013
89. *Information Technology for Indian Language and Literature*, invited talk at Chandigarh Sahitya Academy, May 25, 2013
88. *Language Technology and Empowerment*, presented at the international seminar on "Language and Power: Perspectives, Issues and Impact", April 6-7, 2013, Special Center for Sanskrit Studies, J.N.U.
87. *Computational Linguistics, corpora and standards: the big picture*, invited talk delivered at the Nepali Dept, North Bengal University, Siliguri, April 4, 2013
86. *Newer dimensions of Sanskrit Research in the Information Technology Age*, invited talk in Shri Lal Bahadur Shastri Rashtriya Sanskrit Vidyapeeha, March 6, 2013
85. *Sanskrit in the Information Technology Age*, invited talk at Daulat Ram College, University of Delhi, March 2, 2013
84. *Sanskrit shodh ki nai dishaen*, invited talk at Haryana Sanskrit Academy, Bhiwani, Haryana Feb 10, 2013
83. *Technology for Indian Heritage: the case of ancient scripts and texts*, invited talk in the National Seminar on "Application of Information Technology for conservation, editing and publication of Manuscripts", Samskriti Foundation, Bangalore, 21-22 Jan 2013

82. *Language Technology Resource (LTR) Developments at JNU*, invited talk at Academic Staff College, JNU, July 31, 2012
81. *Resource creation for Indian languages - an update*, invited talk at a workshop on "Reinforcing International Collaboration on Language Resources and Evaluation", joint COCOSDA-FLaReNet workshop, LREC, Istanbul, May 26, 2012
80. *Emerging trends in Language Technology Resources (LTR) in India*, delivered at Microsoft Research, Redmond, USA, Apr 9, 2012
79. *Science and Technology initiatives for Indian Languages: Impacting India through US and indigenous expertise*, delivered at an International seminar on "Presence of America in India", University of Illinois, Urbana-Champaign, IL, USA, Apr 7, 2012
78. "*Sanskrit e-learning*", invited paper in a national seminar on education at Shri Lal Bahadur Rashtriya Sanskrit Vidyapeeth, Delhi, Feb17, 2012
77. *Sanskrit shodh ki naiti dishaen*, talk delivered at Shri Lal Bahadur Rashtriya Sanskrit Vidyapeeth, Delhi, Feb10, 2012
76. *Newer areas of R & D in Sanskrit at JNU: a report*, DPS Society, Dwarka, Jan18, 2012
75. *Computational Linguistics Corpora and standards: the big picture*, distinguished lecture at JNU lecture series, Feb 3, 2012
74. *Computational Linguistics Corpora and standards: the Indian situation*, talk delivered at IIT Patna, Jan30, 2012
73. *Enabling Indian languages on computers*, Workshop on Indian language computing, Mohini Devi Memorial School, Araria, 13-16 Jan, 2012
72. "*Indian languages corpora Initiative: current status and future directions*", inaugural talk at ILCI workshop organized by IIT Mumbai, Jan3-4, 2012
71. "*Promoting Sanskrit through Science and Technology: A report on the latest developments at JNU*", 20th International Vedanta Congress, JNU, Dec28-31, 2011
70. *Introduction to programming in Java*, , NLP Lecture Series at Kashmir University, sponsored by LDC-IL, CIIL Mysore, Nov8-9, 2011
69. "*Linguistic Theory and Grammar Formalisms*", NLP Lecture Series at Kashmir University, sponsored by LDC-IL, CIIL Mysore, Nov8-9, 2011
68. "*Science & Technology in Sanskrit at JNU: A report*", Convergence of Science and Spirituality, Nov 5, 2011, organized by ISSKCON, Sri Venkateswara College, South Campus Delhi University)

67. *"Issues in POS tag-set design for Indian languages"*, Sept19, 2011, Inaugural talk in the "Workshop on POS-Morph: Urdu-Hindi& Maithili", organized by LDC-IL, CIIL Mysore, 19-21 Sept, 2011, CIIL Mysore
66. *Computational Linguistics and Sanskrit*, lecture delivered at International Sanskrit conference at Uttaranchal Sanskrit University, Haridwar, 11th Sept, 2011
65. *"Purushartha and Yoga: a no-contradiction approach"*, invited talk in the "Summer Workshop on Dharmic Traditions", Center for Indic Studies, University of Massachusetts, Dartmouth, July19 & July26, 2011
64. *"Modern Hindu Practices and their evolution"*, invited talk in the "Summer Workshop on Dharmic Traditions", Center for Indic Studies, University of Massachusetts, Dartmouth, July19, 2011
63. *"What is dharma: following a textual strategy"*, invited talk in the "Summer Workshop on Dharmic Traditions", Center for Indic Studies, University of Massachusetts, Dartmouth, July18, 2011
62. *"Why Study Sanskrit"*, talk delivered in "Trindic Corps Youth Camp", Organized by Center of Indic Studies and 3R Foundation, University of Massachusetts, Dartmouth, July1-4, 2011
61. *Computational Linguistics*, Talk delivered at Hindu College, Dec 21, 2010
60. *Sanskrit and Computer*, lecture delivered at NCERT teachers orientation, Dec 1, 2010
59. *Language Technology Resources for Sanskrit and other Indian Languages at Jawaharlal Nehru University, India*, LDC Institute, University of Pennsylvania, July 22, 2010
58. *Multilingual Multimodal resources – creating a leveling field in India*, COCODA/WRITE/FLaReNet workshop "language Technology Issues for International cooperation", LREC2010, Malta, 22 May, 2010
57. *Indian Languages Corpora and Application Development at JNU*, Prof R N Shrivastava Memorial Lecture, Kendriya Hindi Sansthan, Agra, March 23, 2010
56. *Language Processing and Corpus Linguistics*, Prof R N Shrivastava Memorial Lecture, Kendriya Hindi Sansthan, Agra, March 22, 2010
55. *Language Technology & Sanskrit*, Dept of Sanskrit, Hansraj College, Delhi University, Feb 18, 2010
54. *Computational Linguistics for Sanskrit*, PhD research workshop, Sri Lal Bahadur Shastri Rashtriya Sanskrit Vidyapeeth, New Delhi, Feb 16, 2010

53. *A national effort to develop technologies for multiple national languages the experience of India*, FLAReNet (Fostering Language Resource Network), funded by European Commission, Barcelona, Spain, Feb 12, 2010
52. *International Collaboration: Europe and India*, FLAReNet (Fostering Language Resource Network), funded by European Commission, Barcelona, Spain, Feb 12, 2010
51. *Why should you consider Sanskrit*, Sanskrit Dept, Mothers School, Jan 22, 2010
50. *Hamaare gaon, shiksha aur computer*, Kuruom Vidyalaya: Inauguration and Educational Workshop, Jan 14, 2010, Kuruom, Sultanpur, UP
49. *Web based technologies*, Web Creations, Lucknow, Jan 13, 2010
48. *Linguistics for Sanskrit*, "Workshop on Sanskrit and Computers: Getting equipped to face the new challenges" organized jointly by the Department of Sanskrit Studies, University of Hyderabad, and the Sanskrit Academy, Osmania University, Hyderabad, 20 Dec 2009
47. *Java for Computational Linguistics*, "Workshop on Sanskrit and Computers: Getting equipped to face the new challenges" organized jointly by the Department of Sanskrit Studies, University of Hyderabad, and the Sanskrit Academy, Osmania University, Hyderabad, 21-23 Dec 2009
46. *Computational linguistics R&D at JNU*, "Workshop on Sanskrit and Computers: Getting equipped to face the new challenges" organized jointly by the Department of Sanskrit Studies, University of Hyderabad, and the Sanskrit Academy, Osmania University, Hyderabad, 23 Dec 2009
45. *Computational Linguistics and TDIL Programme*, panel discussion on "Getting less-resourced languages on board - which languages, which resources, which methods, which funding?", 4th International Language and Technology Conference (4th LTC), Poznan, Poland, Nov 6, 2009
44. *Indian Language Corpora Initiative (ILCI)*, invited talk, 4th International Language and Technology Conference (4th LTC), Poznan, Poland, Poznan, Poland, Nov 6, 2009
43. *Sanskrit and Computer*, Sanskrit Dept, Gargi College, Delhi University, Sept 17, 2009
42. *Documentation initiatives for Sanskrit and other Indian languages*, International seminar on language documentation, Center for Linguistics, School of Languages Literatures & Culture Studies, JNU, Oct 27, 2009
41. *JNU Text Encoding & Search for Sanskrit (J-TESS)*, Rashtriya Sanskrit Sansthan, Delhi, Oct 26, 2009
40. *Issues in Sanskrit NLP and e-learning*, Kanya Mahavidyalaya, Jalandhar, Aug 7, 2009

39. *Sanskrit aur Kampyutar*, DPS HRD Center, Dwarka, New Delhi, Apr 15, 2009
38. *Emerging trends in Language Technology and Sanskrit Computing* at the Science Festival 2009, organized by School of Life Sciences, J.N.U., Feb 27, 2009
37. *Methods and Issues in Computer Processing of Panini*, Bhandarkar Oriental Research Institute, Pune, Feb22, 2009
36. *Introduction to Language Technology*, Center of Indian Languages, SLL&CS, JNU, Jan 23, 2009
35. *Introduction to Natural Language Processing*, refresher course for Computer Science, Academic Staff College, JNU, Nov 14, 2008
34. *Demonstration of Sanskrit software developed at JNU* (included as part of *Sanskrit CD* released by Ministry of IT and CDAC Pune, Nov 25), Tirupati Sanskrit Vidyapeeth
33. *Multimedia e-learning for Sanskrit*, at DPS, HRD Center, Dwarka, New Delhi, Nov 16, 2008
32. *Issues in Sanskrit NLP and e-learning*, Dept of Sanskrit, Pali and Prakrit, MD University Rohtak, Nov 7, 2008
31. *Sanskrit and Computer*, Haryana Sanskrit Academy at Bhiwani, 28/9/2008
30. Plenary speech in the international workshop titled *Anaphora Resolution II*, organized by Bergen University, Bergen, Norway, Aug29-31, 2008
29. Lecture series on *NLP and Panini*, Dept of Vyakarana, Faculty of Arts, Banaras Hindu University (BHU), March 25-26, 2008
28. *Teaching through e-learning*, Central Institute of Higher Tibetan Studies, Sarnath, Dec29-30,2007
27. *Multilingualism, localization and language computing*, IP Engineering College, Gaziabad, Nov 17, 2007
26. Invited speech at *First International Symposium on Sanskrit Computational Linguistics*, INRIA, at Paris-Rocquencourt, 29 Oct-31 Oct 2007
25. *Sanskrit Computational Linguistics* at Sanskrit Shodh Parishad , Delhi University, August 1, 2007
24. Lecture series on *Language Technology* at the NLSI summer training, CIIL Mysore, June 18-19, 2007
23. *Computational Linguistics*, Dept of Linguistics, Kashmir University, Srinagar, Feb23, 2007

22. Lecture-series in the area of *Sanskrit Computational Linguistics* at the *Dept of NLP and Shabdabodha*, Rashtriya Sanskrit Vidyapeetham, Tirupati, Andhra Pradesh, Jan25-27, 2007
21. *Computational Phonology and Morphology*, PGDLT course at CDAC, Noida, Jan 5, 2007
20. *Language Technology*. PGDLT course at CDAC, Noida, Dec 21, 2006
19. Lecture series on *Language Technology* , MA course on Language Technology at Mahatma Gandhi International Hindi University, Wardha, 11-15 Dec, 2006
18. *Sanskrit and computer*, Haryana Sanskrit Academy at Panchkula, Chandigarh, Nov 26, 2006
17. *Hindi Lexicography and computer*, at Central Hindi Institute, Agra, at the workshop on "Hindi dialect dictionary" , Oct 16,2006
16. *Sanskrit and Computer*, Golden Jubilee Celebration of PGDAV College, Delhi University (organized by Delhi Sanskrit Academy, Sept 29, 2006
15. Invited talk at *Summit on Internationalization of Web* at Hotel Grand Ashoka, Bangalore (24-25 August, 2006) organized by World Wide Web Consortium (W3C) and Manufacturers' Association of Information Technology (MAIT)
14. *Computational Linguistics: an overview*, CDAC Kolkata, July 6, 2006
13. *Linguistic theories and formal grammar models*, CDAC Kolkata, July 5, 2006
12. *Paninian Formalism for NLP*, CDAC Kolkata, July 4, 2006
11. Invited talk at the *First National Symposium on Modeling and Shallow Parsing of Indian Languages(MSPIL-06)* 31st March - 4th April, 2006 at IIT Bombay
10. *Language and computers*, ASC Orientation Course, Rajdhani College, Delhi University, Dec 27,2005
9. Invited speech at the *National Seminar on Translation Today: state and issues*, Dept. of Linguistics, University of Kerala, Trivandrum, August 23-25, 2005
8. *Machine Translation* in the MA course on Translation Technology at Mahatma Gandhi Antarrashtriya Hindi University, Wardha, April11-16, 2005
7. *Computational aspects of Indian grammatical tradition* at the 4th course on IGT organized by CIIL,Mysore at NRLC, Patiala, Feb2005

6. *Computational aspects of Panini* at the Refresher course on Sanskrit Linguistics, organized by CIIL, Mysore at Dept. of Linguistics, Punjabi University, Patiala and at the NRLC, Patiala, Feb-March 2003
5. *Computational linguistics, e-learning* at the Orientation course on Information technology at Academic Staff College, JNU, August 2004
4. *Computational linguistics, e-learning* at the Orientation course on Information technology at Academic Staff College, JNU, December 2004
3. *Macromedia ColdFusion for dynamic web content* at UNESCO sponsored refresher course at School of Information Technology, JNU, September, 2003
2. *Lectures on general linguistics*, Kendriya Hindi Sansthan, Delhi: (1995-1996)
1. *Lectures in UGC sponsored computer courses*, Shri Lal Bahadur Shastri Rashtriya Sanskrit Vidyapeeth: (1995-1996)

Keynote/Plenary talks (08)

8. *"Structured Language Resources for Indian languages - a case of Malayalam"*, invited inaugural talk at the launch of Center for Malayalam Language Technology at Malayalam University, Tirur, Kerala, March 16, 2016
7. *"Typing pain endangers Indian languages"*, at Swiftkey mobile keyboard launch event, Le Meridian, Delhi, 15 July, 2015
6. *"Big Data, Language Informatics and Sanskrit - opportunities and challenges"*, presented in the "WORKSHOP ON VEDIC-YOGIC KNOWLEDGE", Dayalbagh Educational Institute, Agra, 25 March 2015
5. *"Information Technology and emerging India – a case of languages and literatures"*, Keynote speech in "13th Melus-Melow Conference", Dept of English, Jammu University, Jammu, 21 Feb, 2014
4. *"Language Technology in India: empowering millions"*, plenary talk in the "6th Language & Technology Conference: Human Language Technologies as a Challenge for Computer Science and Linguistics", December 8, 2013, Poznan, Poland
3. *"Current progress in developing Sanskrit and other linguistic resources"*, keynote talk in International WAVES Conference 2012, University of Massachusetts, Dartmouth, MA, USA, July 14, 2012
2. *"Issues in POS annotation and limited crowd sourcing - the case of ILCIANN"*, keynote talk in a national seminar on "POS Annotation for Indian languages: Issues & Perspectives, organized by LDC-IL, CIIL Mysore, Dec 12-13, 2011

1. "Computational Linguistics and Sanskrit", keynote talk delivered at a workshop on "Computational Sanskrit" at SD College Ambala, 11th Nov, 2011

Books (09)

9. "Perspectives on the Origin of Indian Civilizations" (ed jointly with Angela Marcantonio), DK Printworld, Delhi, 2012

8. "Modern Perspectives on Vedanta" (ed jointly with Bal Ram Singh, R P Singh, Diwakar Mishra), DK Printworld, Delhi, 2012

7. "Computational Semantics for Sanskrit: The Case of Amarakosha Homonyms"(co-author with Mukesh Kumar Mishra), Lambert Academic Publisher, Germany, 2012

6. "Science and Technology in Ancient Indian Texts" (ed. jointly with Bal Ram Singh, Umesh Kumar Singh and Diwakar Mishra), DK Printworld, Delhi, 2011

5. "Paninian Morphophonemics: A Computational Approach to Analysis and Interpretation" (co-author with Diwakar Mishra), Lambert Academic Publisher, Germany, 2011

4. "Primary Derivation in Sanskrit: A Computational Approach to Analysis of Kridanta" (co-author with Surjit Kumar Singh), Lambert Academic Publisher, Germany, 2011

3. "Computer Processing of Sanskrit Nominal Inflections - Methods and Implementation", (with Subhash Chandra), Cambridge Scholar Publishing, Feb 2011, UK (ISBN13: 978-1-4438-2684-6 Isbn: 1-4438-2684-7)

2. "Sanskrit Computational Linguistics" (ed.), proceedings of the 4th International Sanskrit Computational Linguistics Symposium, Springer Verlag, Germany, 2010 (ISBN 978-3-642-17527-5)

1. "Sanganak-janit vyavaharik Sanskrit dhatu-rupavali", Vidyanidhi Prakashan, Delhi, 2007

Contributions to Books (04)

4. *Maithili bhasha* (with Dr Sangeeta Kumari), chapter in the book titled Bharatiya Bhasha Parichay, Kendriya Hindi Nideshalay, Delhi, 2010

3. *Hindi-English Dictionary of Common Words* (Vyavaharik Angrezi-Hindi kosh), (edit. board), Central Hindi Directorate. Min. of Human Resource Development, 2006

2. *Early Monsoon*, appeared in "The Splendor of Sunrise" (Jessica Rapisarda ed.), 2001, International library of poetry, Watermark press, One Poetry Plaza, Owings Mills, MD 21117, USA

1. *Bhashavijnana paribhasha-kosha*, contributed computational linguistics definitions in this volume published by C.H.D., Edn. deptt. of Min. of HRD, 1999

Reviewers for Journals

- Language Resource Evaluation (LRE)
- Transactions on Asian Language Information Processing (TALIP)

Membership of Committees (16)

16. Member of "Association for Computing Machinery (ACM)" since 2015
15. Member of "Association for Computational Linguistics (ACL)" since 2012
14. Member of Academic Advisory Council, Center for Indic Studies, University of Massachusetts, Dartmouth, USA since 2014
13. Member of Internal Quality Assurance Committee (IQAC) of Shri Lal Bahadur Shastri Rashtriya Sanskrit Vidyapeeth (SLBSRSV), New Delhi since 2014
12. Member of Under Graduate Board of Studies (UG-BOS) in the BPS Womens' University, Sonapat, Haryana (2014-2016)
11. Member of Board of Directors (BoD) of World Association for Vedic Studies (WAVES), USA, since 2012
10. Member of the Expert Committee on Linguistic Resources and Language Technology Standards by Ministry of Communications & Information Technology, Department of Information Technology, Technology development for Indian Languages (TDIL) in 2012
9. Member of the Project Review Steering Group (PRSG) of the project Establishment of Indian Language Technology Proliferation & Deployment Centre by Ministry of Communications & Information Technology, Department of Information Technology, Technology development for Indian Languages (TDIL) in 2012
8. Institutional member of the Steering Committee of FLReNet, European Commission project, Pisa, Italy, since Oct 2010
7. Member of Board of Studies of Mahatma Gandhi International Hindi University, Wardha
6. Permanent member in the Expert Committee on CLDR, by the Ministry of Communications and Information Technology (MCIT), Govt. of India
5. Member of Indian Language Technologies and Products Sectional Committee (LITD 20) of Bureau of Indian Standards
4. Member of the Working Group on Technology Development for Indian Languages (TDIL) Programme of the Ministry of Communications and Information Technology (MCIT), Govt. of India, 2007-2009
3. Member of the Working Group on Localization of Applications & Language Technology Standards, as identified under the National e-Governance Program (NeGP) of Govt. of India
2. Member of Expert group on Computational Linguistics by Manufacturer's Association on Information Technology (MAIT) and Ministry of Communications and Information Technology (MCIT), Govt. of India

1. Member of Managing Committee of Chinmaya Vidyalaya, Vasant Vihar, New Delhi (till 2014)

Organized Seminar/Workshops (30)

30. 3rd Workshop on Indian Language Data Resource Evaluation (WILDRE-3), LREC, Portoroz, Slovenia, 24 May, 2016

29. 22nd International Congress of Vedanta, Dec 27-30, 2015

28. A Round Table on a National Systems Vision for Make In India, in collaboration with Super Computing Consortium of India (SCCI), Nov 19, 2015

27. A Roundtable on the "Harappan Civilization and the Aryan Migration Theory" on Friday, 6th Nov, 2015

26. Workshop on Sharada script in collaboration with Millennium India Education Foundation (MIEF) at the Special Center for Sanskrit Studies, 16-18 Oct, 2015

25. 2nd International Workshop on Indian Language Data: Resource and Evaluation (WILDRE-2), Organized in collaboration with Microsoft Research India under Language Resource Evaluation Conference (LREC) organized by European Language Resource Evaluation (ELRA), Reykjavik, Iceland, May 26, 2014

24. Workshop on Sharada script in collaboration with Millennium India Education Foundation (MIEF) at the Special Center for Sanskrit Studies, Sept 12-13, 2014

23. Workshop on Sharada script in collaboration with Millennium India Education Foundation (MIEF) at the Special Center for Sanskrit Studies, Feb 18-19, 2014

22. Workshop on Sharada script in collaboration with Millennium India Education Foundation (MIEF) at the Special Center for Sanskrit Studies, Nov 8-10, 2013

21. Workshop on Sharada script in collaboration with Millennium India Education Foundation (MIEF) at the Special Center for Sanskrit Studies, Feb 20, 2013

20. International seminar on Language and Power (in Collaboration with University of Illinois Urbana-Champaign, USA) at JNU, April 6-7 2013

19. Workshop jointly with Microsoft, USA on "Indian Language Technology and English-Urdu Machine Translation" at Special Center for Sanskrit Studies, JNU, 26-27 July, 2012

18. 8th ILCI workshop on POS annotation titled "National Workshop on BIS Annotation Scheme for Indian Languages" in collaboration with IIIT Hyderabad, at Hyderabad 21-23 July, 2012

17. 1st International Workshop on Indian Language Data: Resource and Evaluation (WILDRE-1), Organized in collaboration with Microsoft Research India under Language Resource Evaluation Conference (LREC) organized by European Language Resource Evaluation (ELRA), Istanbul, May 21, 2012

16. Digitization of India's ancient scripts - Brahmi, Sharada and Grantha at Special Center for Sanskrit Studies, JNU on 20th March, 2012

15. 7th ILCI workshop on POS annotation, in collaboration with IIITM Kerala, organized at Trivandrum 9-10 March, 2012

14. 6th ILCI workshop on POS annotation, in collaboration with IIT Bombay organized at IIT Bombay 3-4 Jan, 2012
13. 20th International Congress of Vedanta at Special Center for Sanskrit Studies, JNU, 28-31 December, 2011
12. 5th ILCI workshop on POS annotation, in collaboration with Utkal University, Bhubaneswar and ISI Kolkata at Utkal University, Bhubaneswar, 21-23 February, 2011
11. 4th International Sanskrit Computational Linguistics Symposium at Special Center for Sanskrit Studies, JNU, 10-12 December, 2010
10. E-learning and Multimedia for Education, at Special Center for Sanskrit Studies, JNU, November 3, 2010 (in collaboration with Communication & Information Services, JNU)
9. 4th ILCI workshop on POS annotation, in collaboration with Gujrat University, Ahmedabad, 28-30 September, 2010
8. 3rd ILCI workshop on multilingual parallel corpora building, in collaboration with IITM-K Trivandrum at Trivandrum, April 9, 2010
7. International Seminar on Science & Technology in Ancient Indian Texts (SATIAIT), January 9-10, 2010 in collaboration with Center of Indic Studies, University of Massachusetts, Dartmouth, USA
6. 2nd ILCI workshop on multilingual parallel corpora building, in collaboration with Dravidian University at Kuppam, AP, 28-29 August, 2009
5. 1st ILCI workshop on multilingual parallel corpora building, in collaboration with Goa University at Goa, 25-26 March, 2009
4. Meeting On Science & Technology In Ancient Sanskrit Texts in collaboration with Prof. Bal Ram Singh, Director, Indic Studies, Univ Massachusetts, Dartmouth, at Dev Sanskriti Vishva Vidyalaya, Haridvar, 18 June 2009
3. Workshop on Sanskrit E-Learning And Multimedia for school teachers and students of south Delhi public schools, JNU, May 5, 2009
2. *Panchatantra* Painting/Sketching Event And Workshop For Children, 14 November, 2008
1. Workshop on Hindi Support and Compatibility for Computers with Hindi Unit of J.N.U., New Delhi, March 31-April 1, 2005

Membership of Program Committee/Scientific Committee (21)

21. 12th International WAVES Conference, JNU, Dec 15-18, 2016
20. 22nd International Congress of Vedanta, JNU, Dec 27-30, 2015
19. ACM (Association for Computing Machinery) complimentary professional membership, 2015-16
18. 14th International Conference on Natural Language Processing (ICON-2014) , Goa, India, Dec 18-21, 2014

17. 2nd Workshop on Indian Language Data: Resources & Evaluation (WILDRE) under LREC, 2014, Iceland
16. 2nd Workshop on Indian Language Data: Resources & Evaluation (WILDRE) under LREC, 2014, Iceland
15. Language Resource & Evaluation Conference (LREC), 2014, Iceland
14. Workshop on "Linguistics Olympiad and Popularizing Linguistics in Schools", ICON 2013, India
13. 6th Language Technology Conference (LTC), 2013, Poland
12. Forum for Information Retrieval and Evaluation (FIRE), 2013, India
11. 21st International Congress of Vedanta, 2013, USA
10. 1st Workshop on Indian Language Data: Resources & Evaluation (WILDRE) under LREC, 2012, Turkey
9. Language Resource & Evaluation Conference (LREC), 2012, Turkey
8. 5th International Sanskrit Computational Linguistics Symposium (ISCLS), 2012, India
7. 5th Language Technology Conference (LTC), 2011, Poland
6. 20th International Congress of Vedanta, 2011, India
5. 5th Global Wordnet Association (GWA), 2010, India
4. 4th International Sanskrit Computational Linguistics Symposium (ISCLS), 2010, India
3. 3rd International Sanskrit Computational Linguistics Symposium (ISCLS), 2009, India
2. 2nd International Sanskrit Computational Linguistics Symposium (ISCLS) , 2008, USA
1. 1st International Sanskrit Computational Linguistics Symposium (ISCLS), 2007, France

Chairs for International Conferences (06)

6. General Chair, WAVES 2016, 12th International & 20th India Conference of WAVES, Dec 2016, JNU, India
5. General Track chair for the session on "Natural Language Processing" in KES-2016, UK, Sept. 2016
4. General Track chair for the session on "Natural Language Processing" in KES-2015, Singapore, Sept. 2015
3. Program Chair for the "Fourth International Symposium on Natural Language Processing (NLP'15)", Kochi, India, Aug 2015

2. Track chair for the "Natural Language Processing" in the 18th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems (KES-2014), Poland

1. Chair for 2nd International Symposium on Natural Language Processing (NLP'13), India

Sessions chaired/Panel discussion (23)

23. Chaired a session titled "SPEECH 1: Speech Processing, at the 7th LTC, Poznan, Poland, 27 Dec 2015

22. A panelist in the panel discussion on the topic "The Name Of A Name (TNOAN)" organized by Synthesis Talk, Mumbai, Nov 15, 2014.

21. Chaired a talk titled "Multilingual projection" (delivered by Prof Pushpak Bhattacharya, IIT, Bombay) at a national seminar on "Towards standardizing Khasi for Computational Purposes", St Anthony's College, Shillong, Oct 28, 2014

20. Hosted a DD Bharati panel discussion on "Sharada Script" on June 16, 2014, New Delhi

19. Hosted a DD Bharati panel discussion on "Sharada script initiative at JNU" on June 17, 2014. New Delhi

18. A panelist in the panel discussion in the workshop "Workshop on Linguistics Olympiad and Popularizing Linguistics in Schools (LOPLingS)", ICON, CDAC Noida, Dec 18, 2013

17. Chaired a session titled TAN 1: Text Analysis 1 in the "6th Language & Technology Conference: Human Language Technologies as a Challenge for Computer Science and Linguistics", Dec 7, 2013, Poznan, Poland

16. A panelist in the Panel Discussion on Language diversity and big data coordinated by Hans Uszkoreit in the "6th Language & Technology Conference: Human Language Technologies as a Challenge for Computer Science and Linguistics", Dec 7, 2013, Poznan, Poland

15. A panelist in the Panel Discussion on Challenges for Computational Linguistics Coordinated by Dafydd Gibbon in the "6th Language & Technology Conference: Human Language Technologies as a Challenge for Computer Science and Linguistics", Dec 9, 2013, Poznan, Poland

14. A panelist in the Panel Discussion on "Modern Perspective on the Origin of Indian Civilization", in the 21st International Congress of Vedanta, University of Massachusetts, Dartmouth, July 11-14, 2013

13. Chaired in the session titled "SCIENCE & TECHNOLOGY IN ANCIENT INDIAN TEXTS" in the 21st International Congress of Vedanta, University of Massachusetts, Dartmouth, July 11-14, 2013

12. Chaired a keynote talk titled "The Vedic Cure for the Loss of the Sense of Mystery in Western Science" by Jerry Solfvn in the 21st International Congress of Vedanta, University of Massachusetts, Dartmouth, July 11-14, 2013

11. Chaired the session titled Vedic culture and epics, in the "International WAVES Conference 2012", University of Massachusetts, Dartmouth, MA, USA, July 14, 2012.

10. Chaired the session titled Sanskrit Vyakarana and Linguistics, in the "International WAVES Conference 2012", University of Massachusetts, Dartmouth, MA, USA, July 14, 2012.

9. Chaired a session in the seminar "Convergence of Science and Spirituality, Nov5, organized by ISSKCON, Sri Venkateswara College, South Campus Delhi University)

8. Chaired a session in the "Symposium on Origin of Indian Civilization", Center of Indic Studies, University of Massachusetts, Dartmouth, 8-9 July, 2011

7. Chaired a session in the "Vedanta and Science Symposium", Center of Indic Studies, University of Massachusetts, Dartmouth, 6-7 July, 2011

6. Chaired a session on "Civilizational Harmony" in the 8th International conference of the WAVES, at Trinidad & Tobago, West Indies, August 5, 2010

5. Chaired a plenary session in the "19th International Vedanta Congress", organized by Center of Indic Studies, University of Massachusetts, Dartmouth, July 29, 2010

4. Chaired a panel discussion on "Sanskrit its evolution and representation in the digital age", in the "19th International Vedanta Congress", organized by Center of Indic Studies, University of Massachusetts, Dartmouth, July 30, 2010

3. Chaired a session in "International Workshop on Referential Entity Resolution", organized by AU-KBC, MIT campus, Anna University, Chennai, Jan15-17,2008

2. Chaired a session on "Computational Linguistics" in the 28th All India Conference of Linguists, Department of Linguistics, BHU, on Nov 4, 2006

1. Chaired a session in the National Seminar on Translation Today: state and issues, Dept. of Linguistics, University of Kerala, Trivandrum, August 23-25, 2005

Workshop participation (11)

11. Participated in 4 day workshop on Samasa Tagging at Poornaprajna Vidyapeetha, Bangalore, May 16-19, 2009

10. Participated in two-day workshop on POS tagging for Sanskrit under the Sanskrit Consortia, organized by Dept. of Sanskrit Studies, University of Hyderabad, Hyderabad, June20-21, 2008

9. Participated in a series of workshops on editing Hindi-English-Bodo Dictionary, at Central Hindi Directorate during first quarter of 2008

8. International Workshop on Referential Entity Resolution, AU-KBC, MIT campus, Anna University, Chennai, Jan15-17,2008

7. Review of speech technologies projects, organized by TDIL, MCIT, CDAC- Mumbai, Dec 12, 2007

6. Indic languages tagset design, a one day workshop organized at Microsoft Research India Lab, Bangalore, Dec 2, 2007

5. Indic languages tagset design, a four day workshop organized at Microsoft Research India Lab, Bangalore, March15-18, 2007
4. Indic languages tagset design, a three day workshop organized at Microsoft Research India Lab, Bangalore, Jan19-21, 2007
3. Indic languages tagset design, a two day workshop organized at Microsoft Research India Lab, Bangalore, 2-3 Dec, 2006
2. Indic languages tagset design, a two day workshop organized at Microsoft Research India Lab, Bangalore, 28-29 Oct, 2006
1. Government @27/7: overcoming contextual & cultural challenges , South Asia e-government summit organized at The Grand, Vasant Kunj, Oct 26, 2006 by DIT, GOI, CDAC, ASIA, OSPA forum

Technical Expertise

- Machine Translation, computational lexicography computational grammar development, grammar analysis, interactive linguistic instruction, software internalization/localization
- Natural Language Interface, Attribute Value Grammar (AVG) development, testing, parsing, algorithm implementation
- Language Technology project management
- B2B e-commerce solutions, test drivers in Java Servlet/JSP, AWT/Swing, Apache/Tomcat, JDBC/SQL Server
- RAD database and web applications, design and development of user interface in the windows/NT environment using Delphi, SQL Server, Interbase
- Project management in software development

Awards / Honors (10)

10. KECSS Felicitation Award.-2016 for the revival and development of Sharada script by Kashmir Education, Culture and Science Society (KECSS), 26th Feb, 2016
9. DAAD fellowship (Germany) to teach Computational Linguistics at University of Wurzburg, Germany in 2014
8. Nominated to the Editorial Board of Springer for their journal Language Resource and Evaluation (LRE) since Feb 2010.
7. Mukesh and Priti Chatter Distinguished Professor of History of Science at University of Massachusetts Dartmouth, USA (2009-2012).

6. Evaluated as Exceptional Programmer by the HKUSA software director, 2002
5. Beckman Institute for Advance Science & Technology, University of Illinois Research Assistantship for advanced studies (Illinois, USA) 1998
4. Member of the prestigious Cognitive Science group at the University of Illinois (USA): 1997-1999
3. Ranked Excellent Teacher twice by students of Hindi at University of Illinois (USA) :1997,1998
2. University of Illinois Urbana-Champaign Teaching Assistantship for teaching Hindi language and linguistics to U.S. students: (Illinois, USA) :1997
1. Dept. of Psychology, University of Illinois, Urbana-Champaign Research Assistantship (summer 1997) to study schizophrenic speech (Illinois, USA) 1997