



Prof. Girish Nath Jha

Chairman
Commission for Scientific and Technical Terminology,
Ministry of Education, Government of India
(on deputation from JNU)

Professor of Computational Linguistics
School of Sanskrit and Indic Studies

Concurrent Faculty, School of Engineering, JNU
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Education

- M.A. : 1991, Linguistics, JNU, New Delhi
- M.Phil : 1993, Linguistics (Computational Morphology), JNU, New Delhi
- Ph.D : 1996, Linguistics (Machine Translation), JNU, New Delhi
- M.A. : 1998, Linguistics (Natural Language Interface)
University of Illinois, Urbana-Champaign, USA

Research Interests

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

Employment History

- *Chairman*, Commission for Scientific and Technical Terminology, MoE, GoI (on deputation from JNU) (27/5/2022 onwards)
- *Coordinator*, Ayurveda Biology Program, School of Sanskrit and Indic Studies, JNU (28/2/2020-27/2/2022)
- *Dean*, School of Sanskrit and Indic Studies, JNU (29/12/2017-28/12/2019)
- *Director*, International Collaboration, JNU (05/05/2016-14/01/2018)
- *Chairperson*, Special Center for Sanskrit Studies, JNU (19/2/2016-28/12/2017)
- *Professor of Computational Linguistics*, Special Center for Sanskrit Studies, J.N.U (since 2014)
- *Associate Professor of Computational Linguistics*, Special Center for Sanskrit Studies, J.N.U (since 2008)
- *Assistant Professor of Computational Linguistics*, Special Center for Sanskrit Studies, J.N.U (since 2002)
- *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)

Administrative Experience

- Chairperson, Security Advisory Committee, JNU, 2020-2022
- Chairperson, Space Committee, JNU, 2019-2022
- Chairperson, Committee on plagiarism check, JNU since 2018
- Member, Committee on Career Advancement for faculty, JNU since 2019
- Member, Committee for service matters for teaching/non teaching staff, JNU, 2018
- Member, Hub Advisory Committee for Trans-disciplinary Research Cluster, JNU, 2016

International Visiting Faculty

5. Guest Professor, **University of Wurzburg, Germany**, under DAAD fellowship, November 2016
4. Visiting Professor, **University of Florence, Italy**, June-July 2016
3. Short-term 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. Short-term guest Lectureship at **Yogyakarta State University, Indonesia** during March, 2013 to teach 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)

Consultancies

1. **Google** consultancy for studying bilingual speech variations (2021-2022)
2. **Google** consultancy for studying bilingual interactions in the NCR (2020-2021)
3. **Nuance Communications** consultancy for mobile keyboard for Indian languages (Feb-April 2016)
4. **Swiftkey** consultancy for mobile phones predictive keyboard for minor Indian languages (Jan-March 2015)
5. **EZ Data Intelligence** consultancy for research in smart text processors for medical domain, 2013-
6. **Microsoft Research, Redmond, USA** for *Machine Translation for Indian Languages*, July - August 2012
7. **Linguistic Data Consortium (LDC), University of Pennsylvania, Philadelphia, USA** for *narrow band data for language identification by computers*, January - April 2011
8. **Center of Indic Studies, University of Massachusetts, Dartmouth, USA**, for exploring scientific texts in Sanskrit, 2010-12
9. **Center for Development of Advanced Computing (CDAC), Pune** consultancy for Software Localization, 2007
10. **Microsoft Research India Lab, Bangalore** for their POS tagging project for Indic languages, November 2006-January 2007
11. **Microsoft India** on their project on Handwriting Recognition for Devanagari, February – June 2006
12. **Mahatma Gandhi International Hindi University, Wardha (then New Delhi)** on their Database system for dialects of Hindi project (2002-2003)

Invited Lectures/Talks (285)

285. *Future roadmap on outcome based education accessible in Indian languages*, Panel discussion in "Conclave on NEP", AICTE, 15 July 2022

284. *Some remarks on origin of Indian languages and language families*, Live interview on my earlier paper by Indica group on 10 July, 2022
283. *AI and India – methods, challenges and opportunities*, Vidya Bharati Uccha Shikshan Sansthan, Jammu University Unit, 29 June 2022
282. *e-learning theories and practices for multilingual societies*, Five-day FDP, Amity University, Noida 27 June 2022
281. *Sanskrit and AI*, Bharatiya Shikshan Mandal Research Group, Aryabhata College, DU, 19 June 2022
280. *Commission for Scientific and Technical Terminology*, SPM College, DU, 18 June 2022
279. *Panini's Grammar and Computer Science*, Workshop on "Computer Science/IT in the light of NEP2020 & Indian Knowledge Systems", NIT Kurukshetra 25 May 2022
278. *चुनाव प्रबंधन में मीडिया शोध की भूमिका*, एक दिवसीय राष्ट्रीय संगोष्ठी, महात्मा गांधी अंतरराष्ट्रीय हिंदी विश्वविद्यालय, वर्धा (क्षेत्रीय केंद्र, प्रयागराज), 18 May, 2022
277. *Resource creation for NLP*, Summer School, ICFOSS, Trivandrum, 16 May 2022
276. *Panel discussion on Moriz Winternitz*, Austrian Embassy, 25 April 2022
275. *Resource creation for NLP*, HRDC, Allahabad University, 16 April 2022
274. *Panini's kāraka system and challenges for computing*, Online Cardamom Seminar Series National University of Ireland, Galway, 31 March 2022
273. *Maithili language – where are we in digital age*, Two day online lecture series on "Indianness in indigenous languages", SL, JNU 25-26 March 2022
272. *संगणकीय संस्कृत (Computational Sanskrit)*, संगणकीय संस्कृत, दिल्ली संस्कृत अकादमी, 12 मार्च, 2022
271. *Digital Humanities*, "Online training program on Research Methodology in Language, Literature, and Culture – Santali", ERLC, Bhubaneswar, 11 March 2021
270. *Resource Creation for AI – Challenges for Multilingual Societies*, National Seminar on "AI: The Next Generation of Computing", CS Dept, SPM College DU 11 March 2022
269. *Computational Linguistics, Digital Humanities and Sanskrit Manuscripts*, Workshop on Manuscriptology, Shri Lalbahadur Shastri Central Sanskrit University, Delhi 7 Feb 2022
268. *Methods in Linguistics, Panini and Language Processing*, Keynote in the valedictory session of "Certificate Program in Paninian Linguistics", Panini Edu Trust, 6 March 22

267. *Resource creation and management for Indian Language Technology*, 5-day International Workshop on “Speech and Language Technology”, Dept of Hindi, Kerala University, 24 Feb 2022

266. *मानक हिंदी और दिल्ली* (with Shiladitya Bhattacharya, Devendr Kumar and Rahul Tiwari), Organized by JNU Hindi Unit on Mother Tongue Day, 21 Feb 2022

265. *Hindi and its flavors – a study of varieties used in Delhi/NCR* (with Shiladitya Bhattacharya, Devendr Kumar and Rahul Tiwari), NLU group, Google, Online, 17 Feb 2022

264. *Digital Humanities and Indian languages*, 1st Refresher in Indian languages, HRDC JNU, 16 Feb 2022

263. *Language Technology in India*, FIP-VIII, HRDC, JNU, 15 Feb 2022

262. *Panini’s contribution to linguistics*, Keynote talk in “Sphot” program of Sarathi.AI 1Feb 2022

261. *Digital Humanities and Indian languages*, Online Training Program, Eastern Regional Language Center (ERLC), Bhubaneswar, 22 Dec 2021

260. *Current Trends in Maithili Computational Linguistics*, Intl Symposium on "Language Mapping of Maithili: Beyond the Boundaries", organized by CSTS and CIIL, 12 Dec 2021

259. *Story of Sanskrit*, 6th Refresher in Sanskrit, HRDC, JNU 23 Nov 2021

258. *Indian languages, Sanskrit and Computational Linguistics*, FDP on "Bharatiya Bhashaen - dasha aur disha", Deshbandhu College, DU, 27 Oct 2021

257. साइबर सुरक्षा में कृत्रिम प्रज्ञान (AI) और प्राकृतिक भाषा संसाधन (NLP), Keynote speech in the “Webinar on Cyber Security”, Mahatma Gandhi International University, Wardha, 25 Oct, 2011

256. *Resource Creation for AI driven e-learning in Multilingual Communities*, 4th Refresher Course in Elearning and e-governance, HRDC, JNU, 22 Oct 2021

255. *E-learning theories, solutions and CBPs for multilingual societies*, 4th Refresher Course in e-learning and e-governance, HRDC, JNU, 18 Oct 2021

254. *Digital Humanities for Language Literature and Culture Studies*, International Bilingual Webinar on Tribal Lifestyle (IBWTL), Organized by Jadavpur University, Surendranath College, Society for Natural Language Technology Research (SNLTR), VIT Bhopal University, Online, 25 Sept 2021

253. *Indic internet: The grand India challenge and opportunities for Universal Acceptance*, Special address, Pre - India IGF 2021 Session on “the Changing Landscape of Indic-Internet and Importance of Universal Acceptance”, 14 Sept 2021, Organized by FICCI, Online

252. *Sanskrit in Computational Linguistics : realizing Independent India*, “India 75@75”, Facebook live interview by TCN Media, 8 Sept 2021

251. Language Technology – the road ahead in India, ABVSME, JNU, 1 Sept 2021

250. Methods and models in Sanskrit Computational Linguistics, Sanskrit refresher HRDC, BHU, 1 Sept, 2021

249. *Newer dimensions of Sanskrit Studies, Sanskrit Education-Possibilities and Challenges*, Govt College Trivandrum, 25 Aug, 2021

248. *Resource creation for ML in Language Processing*, Faculty Development Program, JIIT, Noida , 28 June 2021

247. *Computational Linguistics, Sanskrit and Linguistics - Methods, models and resources*, Keynote in Online Workshop on "Computational Sanskrit and Linguistics", GMC College Ambala 25 June 2021

246. *Big Linguistic Data and the grand Indian challenge*, Language Resource and AI in Indian languages, CIIL, 15 June 2021

245. *Sanskrit and Indian languages: methods in technology development*, Certificate Course on "Applications of Digital Tools in Teaching & Learning Indian Languages", Maitreyi College, DU 18 Apr 2021

244. *History of Sanskrit Language*, Refresher in History, HRDC, JNU, 18 March 2021

243. *Methods models and resources in Computational Linguistics and AI*, International Symposium, Linguistics Dept, Central University of Rajasthan, 17 March 2021

242. *Computational Linguistics and Sanskrit*, Keynote in Online National Certificate Course on "Computational Resources and Applications for Sanskrit", Kamla Nehru College, DU, 15 March, 2021

241. *Computational Linguistics/NLP – methods and resources*, 2nd STC in "Computational Techniques and Research Methodology", HRDC JNU, 2 March 2021

240. *राष्ट्रीय शिक्षा नीति और ई-शिक्षण*, “राष्ट्रीय शिक्षा नीति 2020:भाषा एवं साहित्य” वसंत महिला महाविद्यालय (वाराणसी), बनारस हिंदू युनिवर्सिटी

239. *E-learning and academic leadership in the post-corona world*, 2nd Short Term Course in "Academic Leadership & Resource Management", HRDC JNU, 9Jan 2021

238. *Linguistics, Sanskrit and Computational Linguistics - methods and models*, International Webinar on "Computational Linguistics", GMN College, Ambala 10 Feb 2021
237. *Resource Creation for Natural Language Processing (NLP)*, Winter School for Women 2021, ICFOSS, Trivandrum, 8 Feb, 2021
236. *Natural Language Processing (NLP) in Cyber Security*, Chief Guest talk in AICTE (ATAL) FDP in Cyber Security, Mahatma Gandhi Antarrashtriya Hindi University, Wardha, 8 Feb, 2021
235. *Natural Language Processing (NLP) and Computational Linguistics (CL) – methods, models and resources*, Winter School for Women 2021, ICFOSS, Trivandrum, 5 Feb, 2021
234. *E-learning concepts and practices in multilingual societies*, FIP, HRDC, JNU, 29 Dec, 2020
233. *E-learning theories and practices in multilingual societies*, TEQUIP, IIT Roorkee, 14 Dec, 2020
232. *Resource creation for NLP in legal domain*, Symbiosis Law School, Pune, 20 Nov, 2020
231. *Research methods in Linguistics and Computational Linguistics*, Refresher Course in Research Methods, HRDC, JNU, 23 Oct 2020
230. *आधुनिक भाषाविज्ञान में पाणिनि और चॉम्स्की, वेदविज्ञान व्याख्यानमाला-२१, संपूर्णानन्द संस्कृत विश्वविद्यालय, वाराणसी, २२ अक्टूबर, २०२०*
229. *Resource Creation for AI driven e-learning in diverse societies*, 3rd Refresher Course in E-learning E-Governance, HRDC JNU, 14 Oct 2020
228. *AI in e-learning*, 3rd Refresher Course in E-learning E-Governance, HRDC JNU, 7 Oct 2020
227. *e-learning: theories concepts and practices*, 3rd Refresher Course in E-learning E-Governance, HRDC JNU, 6 Oct 2020
226. "AI in e-learning" in "Short term course on e-learning" organized by HRDC, JNU, 29 Aug 2020
225. "e-learning: theories, concepts and practices", in "Short term course on e-learning" organized by HRDC, JNU, 24 Aug 2020
224. "Indian Languages, Computational Linguistics and Sanskrit", Sanskrit Department, Bankura University, 6 Aug 2020
223. "Newer dimensions of research and job opportunities in Sanskrit studies ", Shresth Kala Sangam talk on "Sanskrit Diwas", 3 Aug 2020
222. "Computational Linguistics for Sanskrit", Facebook Live lecture organized by "Sanskrit Shaurya", 18 July 2020

221. “*Sanskrit and Artificial Intelligence*”, Online keynote talk, SD College Ambala, 16 July 2020
220. “*Challenges in Panini Computing*”, 7-day international workshop on Text and music digitization, Rabindra Vidyalaya, Champadanga, Hoogly, 15 July 2020
219. “*Sanskrit and other Indian languages resources for ML based tech development*”, Keynote in ACM Summer workshop, Indira Gandhi Delhi Technical University, 4 July 2020
218. “*Panini and AI*”, Kanad Lecture Series, Himachal Pradesh Central University, 27 June, 2020
217. “*Development Deployment and Hosting of e-learning Systems for India–concepts and practices*”, talk in webinar organized by “Special Center for e-learning”, JNU, 11 June 2020
216. “*Java/JSP Programming Language & Sanskrit-Java Interface*”, Lecture in Online Workshop on "Digitization and Development of e-resources for Sanskrit", with Kabi Khandanba, 2 June 2020, Jointly organized by JNU and DU
215. “*OCR and related technologies*”, Lecture in Online Workshop on "Digitization and Development of e-resources for Sanskrit", 1 June 2020, Jointly organized by JNU and DU
214. “*Sanskrit & Digital Modes of Education*”, Lecture in Online Workshop on "Digitization and Development of e-resources for Sanskrit", 31 May 2020, Jointly organized by JNU and DU
213. “*Corpora, Machine Learning and Statistical methods*”, Lecture in Online Workshop on "Digitization and Development of e-resources for Sanskrit", 30 May 2020, Jointly organized by JNU and DU
212. “*Panini and Formal Methods in Linguistics*”, Lecture in Online Workshop on "Digitization and Development of e-resources for Sanskrit" with Shiladitya Bhattacharya, 28 May 2020, Jointly organized by JNU and DU
211. “*Computational Linguistics and Sanskrit*”, Lecture in Online Workshop on "Digitization and Development of e-resources for Sanskrit", 27 May 2020, Jointly organized by JNU and DU
210. “*Technologies for Online learning for Indian languages- fundamental concepts & methods*”, keynote webinar organized by SD College Ambala and KM Vidyalay, Jalandhar, 28 May 2020
209. “*Technologies and methods for Online Sanskrit learning*”, keynote webinar organized by Janki Devi Memorial College, Delhi University, 22 May, 2020
208. “*NLP in legal domain – where are we in India*”, keynote webinar organized by Law College, Vinoba Bhawe University, Hazaribagh, 21 May, 2020
207. “*Introduction to Computational Linguistics*”, keynote talk in a national webinar organized by KVM, Jalandhar, 17 May 2020

206. “*Unlocking full potential of legal data*”, panel discussion organized by Agami Inc, Omidyar Network, 15 May 2020
205. “*Technology for Online Sanskrit learning: Development, Deployment and Delivery Environments*”, talk in a national webinar organized by Kavi Kulaguru Sanskrit University, Ramtek, 2 May, 2020
204. “*Developing end-to-end e-learning solutions for diverse societies*”, Yogyakarta State University, Indonesia, 28 Feb 2020
203. “*Computational Linguistics for e-education*”, Yogyakarta State University, Indonesia, 28 Feb 2020
202. “*ICT based learning culture – experiences from Indian universities and JNU, ICT based learning culture – experiences from Indian universities and JNU*”, Yogyakarta State University Indonesia, 28 Feb 2020
201. “*Linguistic Data Driven Language Technology in multilingual societies*”, Udayana University, Bali, Indonesia, 26 Feb, 2020
200. “*Sanskrit today and tomorrow – exploring newer contours*”, LangFest-2020: International Conclave on Mother Language (AMARI BHASHA PATHE-VI), Constitution Club of India, New Delhi on Feb20-21, 2020
199. “*AI in wilderness – perils of linguistic computing in diverse societies*”, 1st G L Kaul Memorial Lecture, Dept of CS & IT, Jammu University, 10 Feb, 2020
198. “*Digital Humanities - challenges and opportunities in India*”, IIT Roorkee, 4 Feb, 2020
197. “*Semantic roadblocks in Computing Panini*”, IIT, Patna, 30 Jan 2020
196. “*Big (Linguistic) Data and Heritage Computing*”, Vigyan Manthan Lecture Series, JNU, 22 Jan 2020
195. “*Computational Linguistics in India*”, Orientation Course, HRDC, JNU, 21 Jan, 2020
194. “*Big (Linguistic) Data and challenges for Indian language technology*”, NLP Winter school, ICFOSS, Trivandrum, 13 Jan, 2020
193. “*Computational Linguistics and SOIL (Sanskrit and Other Indian Languages)*”, Refresher Course, Jammu University, Dec 23, 2019
192. “*Computational Linguistics for Sanskrit*”, Refresher Course, Jammu University, Dec 23, 2019
191. “*Eco-coop and AI- an India-Korea hussle*”, International Symposium on "Korea-India partnership for coexistence", Ahmadabad, Nov 30, 2019 Organized by CKS, JNU and HRDC Ahmadabad University

190. “*SOIL-Tech: Sanskrit and Other Indian Languages Technology*”, 2nd Refresher course in Sanskrit, HRDC, JNU, Oct 23, 2019
189. “*Layers of annotation and Challenges in annotating Classical languages*”, Digital Corpus of Sarala Mahabharata, Ravenshaw University, Oct 18, 2019
188. “*E-learning –concepts and nuances of application development in the Indian context*”, Refresher course on e-learning, HRDC, JNU, Oct17, 2019
187. “*Fundamental Questions in Formal Linguistic Theories – A comparison of Panini and Chomsky*” (via Skype), in ICPR sponsored seminar on “*Critique of Indian & Western Questioning Tradition*”, SD College Ambala, Oct5, 2019
186. “*The art (and science and commerce) of selling yourself (resume writing and job interviews)*”, JNU Placement cell, 24 Sept 2019
185. “*Computational Linguistics and India*”, 18th Refresher course in CS & IT, HRDC, JNU, 20 Sept, 2019
184. “*If E-learning is difficult, doing it in India is more so*”, Refresher course on e-learning, HRDC, JNU, 20 Aug 2019
183. “*Nuances of Linguistic Computing and Big (Linguistic) Data in India*”, National Seminar on Linguistics and Language Sciences in India- (NASLILANSI-2019) & workshops on forensic and corpus linguistics, Center of Linguistics, JNU, 9 Aug 2019
182. “*Big (Linguistic) Data and challenges for Indian Language Technology*”, Golden Jubilee talk at CIIL Mysore, 17 July 2019
181. “*Indian Languages in the Age of IT*”, IYIL-2019 Symposium, Suryaa Hotel, Delhi, 29 June 2019
180. “*Language technology @JNU*”, FICCI-ILIA meeting at MEITY, 25 June 2019
179. “*Information Technology Applications for Sanskrit & Indic Studies*”, Invited talk at Charleton College of Business, University of Massachusetts, Dartmouth, MA, USA, 8 May 2019
178. “*Computational Linguistics for Sanskrit & Indic Studies*”, Gurukul Kangri University, Haridwar, 27 Apr, 2019
177. “*E-Learning in India in the Context of Open Source Resources*”, Workshop on E-learning, HRDC, JNU, 18 March 2019
176. “*E-Learning: Concepts, Development and Delivery Platforms*”, Workshop on E-learning, HRDC, JNU, 18 March 2019
175. “*Resource creation for Indian Languages*”, Bharat NLP - Niti Ayog workshop, IIT Delhi 30 March 2019

174. "*Information Technology (IT) Applications on Sanskrit and Other Indian Languages (SOIL)*", HRDC JNU Orientation Course, 12 March, 2019

173. "*Sanskrit today – planning confident steps in the right direction*", Sanskrit Dept, Amity University, 22 Feb, 2019

172. "*भारतीय भाषाओं का संरक्षण और संवर्धन तकनीकी युग में*", Plenary talk on Mother Tongue Day at Deshbandhu College, DU, 21 Feb, 2018

171. "*AI in wilderness – the perils of linguistic computing in India*", HRDC Refresher course, JNU, 19 Feb 2019

170. "*Panini's model and its cross linguistic and cross disciplinary applications*", HRDC Sanskrit Orientation, JNU, 11 Feb 2019

169. "*Computational Linguistics, Digital Humanities and Challenges in Sanskrit Computing*", HRDC Refresher course, JNU, 22 Jan 2019

168. "*Information Technology (IT) for Sanskrit and Other Indian Languages (SOIL)*", HRDC Refresher course, JNU, 22 Jan 2019

167. "*Digital Humanities and Computational Linguistics for Sanskrit*", Plenary talk at Bharati College, DU, 19 Jan, 2019

166. "*Sanskrit, Technology and value education*", International conference on "Human Qualities and Values for Sustainable Higher Education", Goa University, 13 Dec 2018

165. "*Language Technology and India*", Mahatma Gandhi International Hindi University, Wardha 25 Oct 2018

164. "*Language Technology for Indian Languages*", HRDC Refresher course, JNU, 9 Oct 2018

163. "*Om – the non dual universal linguistic formalism*", Plenary talk in World Parliament of religion, 3 Oct 2018

162. "*Computational Linguistics for Sanskrit*", lecture in Research Methodology course of School of Sanskrit and Indic Studies, JNU, 1 Oct 2018

161. "*LT Resource Crunch - challenges and opportunities for South Asian Languages*", Keynote in International Conference on Bangla Speech and Language Processing, Shahjalal Institute of Science & Technology (SUST), Sylhet, Bangladesh, 21 Sept 2018

160. "*Language Technology Resource (LTR) creation for Sanskrit and Other Indian Languages (SOIL)*", Dept of Sanskrit, Jamia Millia Islamia University, New Delhi, 14 Sept, 2018

159. "*Language Technology Resource Creation for resource poor languages*", DIAL2018, Vishvabharati, Shantiniketan, 9 Sept 2018

158. "*Language Literature and Culture Studies in the Age of IT*", HRDC Refresher course, JNU, 28 Aug 2018

157. "*Consider MS in Computational Linguistics @JNU*", Lecture to Engineering students' orientation, JNU, 7 Aug 2018
156. "*Origin and Development of Hindi*", Lecture to Korean students, SLL&CS, JNU, 6 Aug 2018
155. "*Panini's contribution to linguistic analysis and formal models*", Plenary talk in International Conference on "Actuating Indic Studies for a better world", Amity University, Gurugram, 2 Aug 2018
154. "*Indian Language Technology Services Industry-The Present and the Future*", Panelist in FICCI sponsored seminar on Bhashantara, 30 July 2018, New Delhi
153. "*Languages, language policy and language education in India*", Uberoi Foundation USA Teachers' Orientation, JNU, 11 July 2018
152. "*NLP is difficult and doing it in India is more so (barriers of NLP research in India)*", FICCI-ILIA workshop, New Delhi, 26 June 2018
151. "*Language Technology Resource Development and the Big (Linguistic) Data Complexities*", Plenary at JP Institute, Noida, 27 Apr 2018
150. "*Sanskrit and AI*", National workshop on "critique of ambiguity in Sanskrit shastras & Artificial Intelligence/Machine Translation, SD College, Ambala, March 10, 2018
149. "*Digital Humanities and technology Development for Indian languages*", National Seminar on Translation, Maulana Azad national Urdu University, Hyderabad, Feb 27, 2018
148. "*Language Literature and Culture Studies in the age of IT*", in an international seminar on "ICT for language learning - trends issues & challenges", St Ann's College, Hyderabad, Feb 22, 2018
147. "*Digital Humanities and technology Development for Indian languages and heritage*", LIPI, LITERATURE Conference, Ravenshaw University, Cuttack, Odisha, Feb 3, 2018
146. "*India's diversity: challenges for Big Linguistic Data and Language Informatics*", keynote speech at Uva Wallessa University, Sri Lanka, 1 Feb, 2018
145. "*Script language and Digitization*", Daulat Ram College, Delhi University, 26/12/2017
144. "*Resource Creation for Indian Language Processing*", Plenary talk in a workshop on "Recent Trends in NL & Speech Processing", Ambedkar Institute of Advanced Communication Technology Research, Delhi, 12/12/2017

143. *"Language Technology Resource Creation - the Big Linguistic Data Challenge of India"*, Plenary talk in 39th ICOLSI, IIT Patna, 9/12/2017
142. *"Big Linguistics Data and India Challenge"*, plenary talk in a seminar "Intelligence and Interactive Design", organized by Samsung India Research Network, Bangalore, 24/11/2017
141. *"Language Technology Resource Creation for Indian Languages"*, Inaugural lecture in the "Lecture by Eminent Personalities" series organized by TRAI, New Delhi, 21/11/2017
140. *"Digital Humanities, Computational Linguistics and India"*, lecture at HRDC, JNU, 8/9/2017
139. *"India's Ancient Wisdom - handle with care"*, invited panelist in Chinmaya Vishva Vidyapeeth, Kaladi, 12/6/2017
138. *"Automatic Translation of Ancient Sanskrit manuscripts - Roadblocks for Human Language Technology"*, plenary talk in 23rd International Vedanta Congress, University of Massachusetts, Dartmouth, 13/8/2017
137. *"Computational Sanskrit"*, CPDHE, Delhi University, 4/7/2017
136. *"The Future of Identity, Language and Technology in India"*, Panel discussion for NDTV organized by Swiftkey (Microsoft), Hyatt Regency, New Delhi, 23/6/2017
<https://gadgets.ndtv.com/videos/sponsored-swiftkey-the-future-of-identity-language-and-technology-463032>
135. *"Globalization, IT and Sanskrit"*, Satyavati College, Delhi University, 19/4/2017
134. *"Big Linguistic Data and India challenge"*, School of Computational and Integrative Sciences, JNU, 11/4/2017
133. *"Sanskrit and Computational Linguistics - Challenges and possibilities"*, PGDAV college, Delhi University, 31/3/2017
132. *"Sanskrit and Natural Language Processing - Challenges and Possibilities"*, Dept of Sanskrit, Kerala University, 14/3/2017
132. *"Computational Linguistics for Sanskrit and other Indian languages - Opportunities and Challenges"*, Shri Lal Bahadur Shastri Rashtriya Sanskrit Vidyapeeth, Delhi, 12/3/2017

131. *"Technology Development for Sanskrit and other Indian languages - Resource Creation and challenges"*, plenary talk delivered at Dept of Sanskrit, Tripura University, 3/3/2017
130. *"Sanskrit and IT"*, Swami Shraddhanand College, Delhi University, 1/3/2017
129. *"JNU and its International Collaboration Efforts"*, invited talk at EU-India Higher Education Cooperation Conference, India Habitat Center, 29/9/2016
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 under 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 nai 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. *"Puruṣārtha 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, Feb 22, 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, April 11-16, 2005
7. *Computational aspects of Indian grammatical tradition* at the 4th course on IGT organized by CIIL, Mysore at NRLC, Patiala, Feb 2005
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/Special Plenary talks

- “*Sanskrit and other Indian languages resources for ML based tech development*”, Keynote in ACM Summer workshop, Indira Gandhi Delhi Technical University, 4 July 2020
- “*AI in wilderness – perils of linguistic computing in diverse societies*”, 1st G L Kaul Memorial Lecture, Dept of CS & IT, Jammu University, 10 Feb, 2020
- “*LT Resource Crunch - challenges and opportunities for South Asian Languages*”, Keynote in International Conference on Bangla Speech and Language Processing (ICBSLP), Shahjalal Institute of Science & Technology (SUST), Sylhet, Bangladesh, 21 Sept 2018
- “*India's diversity: challenges for Big Linguistic Data and Language Informatics*”, keynote speech at Uva Wallessa University, Sri Lanka, 1 Feb, 2018
- “*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, Thirur, Kerala, 16 March 2016
- “*Typing pain endangers Indian languages*”, at Swiftkey mobile keyboard launch event, Le Meridian, Delhi, 15 July, 2015

- "Big Data, Language Informatics and Sanskrit - opportunities and challenges", presented in the "WORKSHOP ON VEDIC-YOGIC KNOWLEDGE", Dayalbagh Educational Institute, Agra, 25 March 2015
- "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
- "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
- "Current progress in developing Sanskrit and other linguistic resources", in International WAVES Conference 2012, University of Massachusetts, Dartmouth, MA, USA, July14, 2012
- "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
- "Computational Linguistics and Sanskrit", keynote talk delivered at a workshop on "Computational Sanskrit" at SD College Ambala, 11th Nov, 2011

Research papers/articles (138)

138, "Formal Sanskrit Syntax: A Specification for Programming Language", Khanganba, K. Kabi; Jha, Girish Nath, *Proceedings of the 1st Conference of the Asia-Pacific Chapter of the Association for Computational Linguistics and the 10th International Joint Conference on Natural Language Processing: Student Research Workshop*, 72-78 ISBN 978-1-952148-93-4. Suzhou, China: Association for Computational Linguistics, Dec 2020

137. "Abstractive Text Summarization for Sanskrit Prose: A Study of Methods and Approaches", Shagun Sinha, Girish Nath Jha, Workshop on Indian Language Data Resource & Evaluation, LREC 2020, ACL Anthology

136. "Multi-word Expressions extraction for Clinical Domain", Srishti Singh, Girish Nath Jha, Nganthoibi Oinam, Diwakar Mishra, Hitesh Desai and Pinal Pate, in "Human Language Technologies as a Challenge for Computer Science and Linguists", Zygmunt Vertulani, Patrick Peroubek (eds), Wydawnictwo Nauka i Innowacje, Poznan, Poland, 2019

135. "Language Technology white Paper on Maithili", Uday Narayan Singh, Girish Nath Jha & Narayan Choudhary, 1st International Conference on SOIL-Tech, JNU, New Delhi, 15-17 Feb 2019

134. "Developing Garhwali Corpus for Statistical Machine Translation", Arushi Uniyal and Girish Nath Jha, 1st International Conference on SOIL-Tech, JNU, New Delhi, 15-17 Feb 2019

133. "Issues & Challenges in Building SMT Systems for Lesser-known Languages (The Case of English-Bhojpuri & English-Garhwali)": Atul Kr. Ojha, Arushi Uniyal and Girish Nath Jha, 1st International Conference on SOIL-Tech, JNU, New Delhi, 15-17 Feb 2019

132. “*Language Technology white paper on Hindi*”, S.S. Aggrawal, Dipti Mishra Sharma & Girish Nath Jha, 1st International Conference on SOIL-Tech, JNU, New Delhi, 15-17 Feb 2019

131. “*Language Technology white paper on Sanskrit*”, Girish Nath Jha, Shrinivas Varakhedi & Malhar Kulkarni, 1st International Conference on SOIL-Tech, JNU, New Delhi, 15-17 Feb 2019

130. “*English Multi-Word Expressions (MWE): A Tagset for Health Domain*” Srishti Singh and Girish Nath Jha. In Proceedings of International Conference on Advances in Computing, Communications and Informatics (ICACCI 2018), 2018, pg 1812-1817. Date Added to IEEE Xplore: 03 December 2018. DOI: [10.1109/ICACCI.2018.8554795](https://doi.org/10.1109/ICACCI.2018.8554795). IEEE. Electronic ISBN: 978-1-5386-5314-2, Print on Demand(PoD) ISBN: 978-1-5386-5315-9 (Scopus)

129. “*Translation Issues in Conversation Sanskrit-Bhojpuri Language Pair: An MT Perspective*”. Shagun Sinha and Girish Nath Jha. procs of the “4th Workshop on Indian Language Data: Resources and Evaluation” (WILDRE) held under Language Resources and Evaluation Conference, Miyazaki, Japan, 2018, ISBN: 979-10-95546-09-2

128. “*Automatic Language Identification System for Hindi and Magahi*”, Priya Rani, Atul Kr. Ojha and Girish Nath Jha, poster in the procs of the “4th Workshop on Indian Language Data: Resources and Evaluation” (WILDRE) held under Language Resources and Evaluation Conference, Miyazaki, Japan, 2018, ISBN: 979-10-95546-09-2

127. “*Demo of Sanskrit-Hindi SMT System*”, Rajneesh Pandey, Atul Kr. Ojha and Girish Nath Jha, 4th Workshop on Indian Language Data: Resources and Evaluation” (WILDRE) held under Language Resources and Evaluation Conference, Miyazaki, Japan, 2018, ISBN: 979-10-95546-09-2

126. “*Demo: Parts-of-Speech Tagger for Bhojpuri*”, Srishti Singh and Girish Nath Jha, 4th Workshop on Indian Language Data: Resources and Evaluation” (WILDRE) held under Language Resources and Evaluation Conference, Miyazaki, Japan, 2018, ISBN: 979-10-95546-09-2

125. “*Demo: Graphic-based Statistical Machine Translator*”, Atul Kr. Ojha and Girish Nath Jha, 4th Workshop on Indian Language Data: Resources and Evaluation” (WILDRE) held under Language Resources and Evaluation Conference, Miyazaki, Japan, 2018, ISBN: 979-10-95546-09-2

124. “*Challenges in Annotation and Domain Adaptation in Hindi POS Tagger: with Reference to Cricket*”, Anupama Pandey, Srishti Singh, Atul Kr. Ojha and Girish Nath Jha, procs of the “International Conference on Applied and Theoretical Computing and Communication Technology (ICATCCT-2017)”, Karnataka, 21-23rd December 2017 (Scopus)

123. “*Zero Pronouns and Their Resolution in Sanskrit Texts*”, Madhav Gopal and Girish Nath Jha, in the procs of Intelligent Systems Technologies and Applications. ISTA’17, Manipal University, Karnataka 13-16 September, 2017. Advances in Intelligent Systems and Computing, vol 683, Springer (Scopus)

122. "A Classification-based Approach to the Identification of Multiword Expressions (MWEs) in Magahi Applying SVM", Shivek Kumar, Pitambar Behera & Girish Nath Jha, Procs of International Conference on Knowledge-Based and Intelligent Information and Engineering Systems, KES-2017, 6-8 September 2017, Marseille, France, Procedia Computer Science (Elsevier), (18770509), 112, pp.594-603, 2017 (Scopus)

121. "The IMAGACT4ALL Ontology of Animated Images: Implications for Theoretical and Machine Translation of Action Verbs from English-Indian Languages", Pitambar Behera, Sharmin Muzaffar, Atul Kr. Ojha and Girish Nath Jha, in the procs of "6th Workshop on South and Southeast Asian Natural Language Processing (WSSANLP-2016)" held under COLING at Osaka, Japan, 11-16th December 2016.

120. "Error Analysis of SaHiT - a Statistical Sanskrit-Hindi Translator", Rajneesh Kumar Pandey, Girish Nath Jha, 2016, In the Procs of "International Conference on Knowledge-Based and Intelligent Information and Engineering Systems", KES-2016, 5-7 September 2016, York, UK, Procedia Computer Science 96 (Elsevier) 495 – 501, 2016 (Scopus)

119. "A Pāniniān Framework for Analyzing Case Marker Errors in English-Urdu Machine Translation", Sharmin Muzaffar, Pitambar Behera & Girish Nath Jha, In the Procs of International Conference on Knowledge-Based and Intelligent Information and Engineering Systems, KES-2016, 5-7 September 2016, York, UK, Procedia Computer Science 96 (Elsevier), (1877-0509), 96, pp. 502-510, 2016. (Scopus)

118. "Issues and Challenges in Annotating Urdu Action Verbs on the IMAGACT4ALL Platform", Sharmin Muzaffar, Pitambar Behera & Girish Nath Jha, In Procs of LREC-2016 (ISBN: 978-2-9517408-8-4), Portoroz, Slovenia, pp. 1446-1451, 23-28 May, 2016 (Scopus)

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, procs 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, Procs of 7th LTC, Poznan, Poland, 27-29 Dec 2015, Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), Springer, 2018 (Scopus)

115. "The TypeCraft Natural Language Database: Annotating and Incorporating Urdu", Pitambar Behera, Sharmin Muzaffar, Girish Nath Jha, Lars Hellan and Dorothee Beermann, in the Procs of regICON-2015, "Indian Journal of Science & Technology" (Scopus)

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 (Scopus)

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, Procs 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, Procs 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, Procs 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, Procs 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, Procs 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, Procs of the "2nd Workshop on Indian Language Data Resource and Evaluation" held under LREC at Reykjavik, Iceland, 26-31 May 2014
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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
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15. Identifying verb inflections in Sanskrit morphology, (with Sudhir Mishra) *Procs of SIMPLE’04, IIT Kharagpur, 2005*
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13. *Astadyayi Online*, (with Prof. G.V.Singh), Procs of International Conference on Speech and Language Technology, New Delhi, Nov,2004, Tata McGraw Hill, 2004
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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, April 11-12 1996)
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12. *Vedanta Science and Technology – a multidisciplinary approach* (eds Girish Nath Jha, Bal Ram Singh, Sukalyan Sengupta), Procs of the 22nd International Congress of Vedanta (22Vedanta), 27-30 Dec 2015, JNU, DK Printworld, Delhi, 2020
11. *Veda as global heritage: Scientific perspectives* (eds, Girish Nath Jha, Sudhir Kumar Arya, Abhijit Dixit, Atul Kr Ojha), Procs of the International Veda Conference on "Veda as Global Heritage: Scientific Perspectives", JNU, 15-18 Dec 2016, Vidyanidhi Prakashan, Delhi, 2019
10. *Vedanta anvikshiki, Science and Philosophy in contemporary perspective* (eds. Girish Nath Jha, Sukalyan Sengupta and Blaram Singh), DK Printworld, Delhi, 2017

9. *Perspectives on the Origin of Indian Civilizations* (eds Angela Marcantonio, Girish Nath Jha), DK Printworld, Delhi, 2012
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7. *Computational Semantics for Sanskrit: The Case of Amarakosha Homonyms* (co-author with Mukesh Kumar Mishra), Lambert Academic Publisher, Germany, 2012
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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.), Procs 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

1. *Maithili bhasha* (with Dr Sangeeta Kumari), chapter in the book titled *Bharatiya Bhasha Parichay*, Kendriya Hindi Nideshalay, Delhi, 2010
2. *Hindi-English Dictionary of Common Words (Vyavaharik Angrezi-Hindi kosh)*, (edit. board), Central Hindi Directorate. Min. of Human Resource Development, 2006
3. *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
4. *Bhashavijnana paribhasha-kosha*, contributed computational linguistics definitions in this volume published by C.H.D., Edn. deptt. of Min. of HRD, 1999

Reviewer for Journals

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

Membership of Committees

1. Member of the Executive Council, Mahatma Gandhi Antarrashtriya Hindi University, Wardha, Dec 30, 2020 -
2. Member of Technical Advisory Committee (TAC), Social Sciences Division, Indian Statistical Institute, Kolkata (2020-22)
3. Member, Project Review and Management Committee (PRMC), SSMT, Principal Scientific Advisor, Govt. of India, 2020-
4. Member, Advisory Committee, Adikavi Sarla Das Chair of Odia Studies, JNU 2018-
5. Visitor's Nominee, Rajasthan Sanskrit University, Jaipur (2019-2021)
6. Member, Committee for Foreign and Indian Language Interpreters, MHRD, 2018-
7. Visitor's Nominee, Central University of South Bihar, Gaya (2018-21)
8. Member, Advisory Committee, Bharat Vani, CIIL, Mysore 2017-
9. Expert/Advisory Committee of Bharatvani Project, CIIL Mysore (2015-)
10. Nominated member of Board of Post Graduate Studies (BPGS) of Sanskrit, Tripura University since 2016
11. Member of Association for Computing Machinery (ACM) since 2015
12. Nominated BOS member, Dept of Sanskrit of Kanya Maha Vidyalaya, Jalandhar since 2015
13. Nominated to the Academic Advisory Council, Center for Indic Studies, University of Massachusetts, Dartmouth, USA since 2014
14. Nominated member of Internal Quality Assurance Committee (IQAC) of Shri Lal Bahadur Shastri Rashtriya Sanskrit Vidyapeeth (SLBSRSV), New Delhi, 2014
15. Nominated member of Under Graduate Board of Studies (UG-BOS) in the BPS Womens' University, Sonapat, Haryana (2014-2016)
16. Member of Association for Computational Linguistics (ACL) since 2012
17. Nominated to the Board of Directors (BoD) of World Association for Vedic Studies (WAVES), USA, 2012 onwards
18. Nominated a 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
19. Nominated 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
20. Nominated as *Institutional member of the Steering Committee of FLaReNet*, European Commission project, Pisa, Italy, Oct 2010 onwards
21. Nominated as permanent member in the Expert Committee on CLDR, by the Ministry of Communications and Information Technology (MCIT), Govt. of India

22. Nominated to the *Indian Language Technologies and Products Sectional Committee (LITD 20)* of Bureau of Indian Standards
23. Nominated member of the *PRSG for Speech Technology projects* by the Technology Development for Indian Languages (TDIL) Programme of the Ministry of Communications and Information Technology (MCIT), Govt. of India
24. Served as 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
25. Nominated 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
26. Nominated 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
27. Member of *Managing Committee of Chinmaya Vidyalaya*, Vasant Vihar, New Delhi (till 2014)

Organized Seminar/Workshops

1. 1st Online International Webinar on "Academia Industry Interface for Indian Language Technology - Ai3LT", July 20, 2020 (12-2pm)
2. 1st Online National Workshop on "Digitization and Development of E-resources for Sanskrit", May 27-31, 2020 (jointly organized by JNU and DU through online mode)
3. "*5th Workshop on Indian Language Data: Resource & Evaluation*" (ONLINE), May 24, 2020, Marseille, France under Language Resource Evaluation Conference (LREC) organized by European Language Resource Evaluation (ELRA)
4. "*4th Workshop on Indian Language Data: Resource & Evaluation*", May 12, 2018, Miyazaki, Japan under Language Resource Evaluation Conference (LREC) organized by European Language Resource Evaluation (ELRA)
5. "*International Veda Conference*", JNU, New Delhi, Dec15-18, 2016
6. "*3rd Workshop on Indian Language Data: Resource & Evaluation*", May 24, 2016, Portoroz, Slovenia under Language Resource Evaluation Conference (LREC) organized by European Language Resource Evaluation (ELRA)
7. "*22nd International Congress of Vedanta*", JNU, New Delhi, Dec 27-30, 2015
8. "*Workshop on Sharada script*" in collaboration with Millennium India Education Foundation (MIEF) at the Special Center for Sanskrit Studies, 16-18 Oct, 2015
9. "*2nd International Workshop on Indian Language Data: Resource and Evaluation (WILDRE-2)*", Reykjavik, Iceland, May 26, 2014 under Language Resource Evaluation Conference (LREC) organized by European Language Resource Evaluation (ELRA)
10. "*Workshop on Sharada script*" in collaboration with Millennium India Education Foundation (MIEF) at the Special Center for Sanskrit Studies, Nov 8-10, 2013
11. "*Workshop on Sharada script*" in collaboration with Millennium India Education Foundation (MIEF) at the Special Center for Sanskrit Studies, Feb 18-20, 2014
12. "*Workshop on Indian Language Technology and English-Urdu Machine Translation*" jointly with Microsoft, USA on at Special Center for Sanskrit Studies, JNU, 26-27 July, 2012

13. *"National Workshop on BIS Annotation Scheme for Indian Languages"* 8th ILCI workshop on POS annotation in collaboration with IIT Hyderabad, at Hyderabad 21-23 July, 2012
14. *"1st International Workshop on Indian Language Data: Resource and Evaluation (WILDRE-1)"*, Istanbul, May21, 2012 in collaboration with Microsoft Research India under Language Resource Evaluation Conference (LREC) organized by European Language Resource Evaluation (ELRA)
15. *"Digitization of India's ancient scripts - Brahmi, Sharada and Grantha"* at Special Center for Sanskrit Studies, JNU on 20th March, 2012
16. *"7th ILCI workshop on POS annotation"*, in collaboration with IITM Kerala, organized at Trivandrum 9-10 March, 2012
17. *"6th ILCI workshop on POS annotation"*, in collaboration with IIT Bombay organized at IIT Bombay 3-4 Jan, 2012
18. *"20th International Congress of Vedanta"* at Special Center for Sanskrit Studies, JNU, 28-31 December, 2011
19. *"5th ILCI workshop on POS annotation"*, in collaboration with Utkal University, Bhubaneswar and ISI Kolkata at Utkal University, Bhubaneswar, 21-23 February, 2011
20. *"4th International Sanskrit Computational Linguistics Symposium"* at Special Center for Sanskrit Studies, JNU, 10-12 December, 2010
21. *"E-learning and Multimedia for Education"*, at Special Center for Sanskrit Studies, JNU, November 3, 2010 (in collaboration with Communication & Information Services, JNU)
22. *"4th ILCI workshop on POS annotation"*, in collaboration with Gujrat University, Ahmedabad, 28-30 September, 2010
23. *"3rd ILCI workshop on multilingual parallel corpora building"*, in collaboration with IITM-K Trivandrum at Trivandrum, April 9, 2010
24. *"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
25. *"2nd ILCI workshop on multilingual parallel corpora building"*, in collaboration with Dravidian University at Kuppam, AP, 28-29 August, 2009
26. *"1st ILCI workshop on multilingual parallel corpora building"*, in collaboration with Goa University at Goa, 25-26 March, 2009
27. *"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
28. *"Workshop on Sanskrit E-Learning And Multimedia"* for school teachers and students of south Delhi public schools, JNU, May 5,2009
29. *"Panchatantra Painting/Sketching Event And Workshop For Children"*, 14 November, 2008
30. *"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

1. Language Resource & Evaluation Conference (LREC), 2020, Marseille, France
2. LT4All, Paris, 2019

3. Language Resource & Evaluation Conference (LREC), 2018, Miyazaki, Japan
4. Language Resource & Evaluation Conference (LREC), 2016, Portoroz, Slovenia
5. Language Resource & Evaluation Conference (LREC), 2016, Portoroz, Slovenia
6. ACM (Association for Computing Machinery) complimentary professional membership, 2015-16
7. 14th International Conference on Natural Language Processing (ICON-2014) to be held at Goa, India, Dec 18-21, 2014
8. 2nd Workshop on Indian Language Data: Resources & Evaluation (WILDRE) under LREC, 2014, Iceland
9. 2nd Workshop on Indian Language Data: Resources & Evaluation (WILDRE) under LREC, 2014, Iceland
10. Language Resource & Evaluation Conference (LREC), 2014, Iceland
11. Workshop on "Linguistics Olympiad and Popularizing Linguistics in Schools", ICON 2013, India
12. 6th Language Technology Conference (LTC), 2013, Poland
13. Forum for Information Retrieval and Evaluation (FIRE), 2013, India
14. 21st International Congress of Vedanta, 2013, USA
15. 1st Workshop on Indian Language Data: Resources & Evaluation (WILDRE) under LREC, 2012, Turkey
16. Language Resource & Evaluation Conference (LREC), 2012, Turkey
17. 5th International Sanskrit Computational Linguistics Symposium (ISCLS), 2012, India
18. 5th Language Technology Conference (LTC), 2011, Poland
19. 20th International Congress of Vedanta, 2011, India
20. 5th Global Wordnet Association (GWA), 2010, India
21. 4th International Sanskrit Computational Linguistics Symposium (ISCLS), 2010, India
22. 3rd International Sanskrit Computational Linguistics Symposium (ISCLS), 2009, India
23. 2nd International Sanskrit Computational Linguistics Symposium (ISCLS) , 2008, USA
24. 1st International Sanskrit Computational Linguistics Symposium (ISCLS), 2007, France

Chairs for International Conferences

1. Co-chair, WILDRE-V - Workshop on Indian Language Data Resource & Evaluation, LREC, Marseille (ONLINE), France, May24, 2020
2. Co-Chair, 24th International Congress of Vedanta, JNU, 10-12 Jan 2020
3. Co-chair, WILDRE-IV - Workshop on Indian Language Data Resource & Evaluation, LREC, Miyazaki, Japan, May 2018
4. Co-Chair, "Workshop on Language Technology for Less Resourced Languages (LT-LRL)" under LTC2017, November 2017, Poznan, Poland
5. General Track chair for the session on "Natural Language Processing" in KES-2017, France, Sept. 2017

6. General Chair, IVC, Dec 2016, JNU, India
7. Co-chair, WILDRE-III - Workshop on Indian Language Data Resource & Evaluation, LREC, Portoroz, Slovenia, May 2016
8. General Track chair for the session on "Natural Language Processing" in KES-2016, UK, Sept. 2016
9. General Track chair for the session on "Natural Language Processing" in KES-2015, Singapore, Sept. 2015
10. Program Chair for the "Fourth International Symposium on Natural Language Processing (NLP'15)", Kochi, India, Aug 2015
11. Track chair for the "Natural Language Processing" in the 18th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems (KES-2014) , Poland
12. Co-chair, WILDRE-II - Workshop on Indian Language Data Resource & Evaluation, LREC, Reykjavik, Iceland, May 2014
13. Chair for 2nd International Symposium on Natural Language Processing (NLP'13), India
14. Co-chair, WILDRE-I - Workshop on Indian Language Data Resource & Evaluation, LREC, Istanbul, Turkey, May 2012

Sessions chaired/Panel discussion

1. Chaired the inaugural session in 25th International Congress of Vedanta, Organized (online) by Center of Indic Studies, University of Massachusetts, Dartmouth, 23 Oct 2021
2. Chaired the session "Applications of Vedanta" in 25th International Congress of Vedanta, Organized (online) by Center of Indic Studies, University of Massachusetts, Dartmouth, 28 Oct 2021
3. Coordinated the panel discussion "Perspectives on atman in Vedic tradition - a shāstrārtha in Sanskrit" in 25th International Congress of Vedanta, Organized (online) by Center of Indic Studies, University of Massachusetts, Dartmouth, 28 Oct 2021
4. Chaired session 13 in the 25th International Congress of Vedanta, Organized (online) by Center of Indic Studies, University of Massachusetts, Dartmouth, 29 Oct 2021
5. Chaired session 16 in the 25th International Congress of Vedanta, Organized (online) by Center of Indic Studies, University of Massachusetts, Dartmouth, 30 Oct 2021
6. Chaired session 17 in the 25th International Congress of Vedanta, Organized (online) by Center of Indic Studies, University of Massachusetts, Dartmouth, 31 Oct 2021
7. Panelist in the valedictory session in the 25th International Congress of Vedanta, Organized (online) by Center of Indic Studies, University of Massachusetts, Dartmouth, 31 Oct 2021
8. Chaired a talk by Prof Shantanu Chaudhary, IIT Delhi, "*Optical Character Recognition (OCR)*", 1st International Conference on SOIL-Tech, JNU, New Delhi, 15-17 Feb 2019
9. Chaired a talk by Prof Massimo Moneglia, University of Florence (on Skype) - *The IMAGACT of Ontology of Action: Principles, Development and Validation for its use in the Indian environment*, 1st International Conference on SOIL-Tech, JNU, New Delhi, 15 Feb, 2019
10. Chaired a talk by Georg Rehm, DFKI (German Center for Artificial Intelligence, Berlin) on Skype , *The Preparation, Impact and Future of the META-NET White Paper Series*

“Europe’s Languages in the Digital Age, 1st International Conference on SOIL-Tech, JNU, New Delhi, 15 Feb, 2019

11. Chaired a session titled “SPEECH 1: Speech Processing at the 7th LTC, Poznan, Poland, 27 Dec 2015
12. A panelist in the panel discussion on the topic "The Name Of A Name (TNOAN)" organized by Synthesis Talk, Mumbai, Nov 15, 2014.
13. 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
14. Hosted a DD Bharati panel discussion on "Sharada Script" on June 16, 2014, New Delhi
15. Hosted a DD Bharati panel discussion on "Sharada script initiative at JNU" on June 17, 2014. New Delhi
16. 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 I: Text Analysis I* in the "6th Language & Technology Conference: Human Language Technologies as a Challenge for Computer Science and Linguistics", Dec 7, 2013, Poznan, Poland
18. 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
19. 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
20. 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
21. 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
22. Chaired a keynote talk titled "*The Vedic Cure for the Loss of the Sense of Mystery in Western Science*" by Jerry Solfvin in the 21st International Congress of Vedanta, University of Massachusetts, Dartmouth, July 11-14, 2013
23. Chaired the session titled *Vedic culture and epics*, in the "International WAVES Conference 2012", University of Massachusetts, Dartmouth, MA, USA, July 14, 2012.
24. Chaired the session titled *Sanskrit Vyakarana and Linguistics*, in the "International WAVES Conference 2012", University of Massachusetts, Dartmouth, MA, USA, July 14, 2012.
25. Chaired a session in the seminar "Convergence of Science and Spirituality, Nov5, organized by ISSKCON, Sri Venkateswara College, South Campus Delhi University)
26. Chaired a session in the "Symposium on Origin of Indian Civilization", Center of Indic Studies, University of Massachusetts, Dartmouth, 8-9 July, 2011
27. Chaired a session in the "Vedanta and Science Symposium", Center of Indic Studies, University of Massachusetts, Dartmouth, 6-7 July, 2011

28. Chaired a session on "Civilizational Harmony" in the 8th International conference of the WAVES, at Trinidad & Tobago, West Indies, August 5, 2010
29. Chaired a plenary session in the "19th International Vedanta Congress", organized by Center of Indic Studies, University of Massachusetts, Dartmouth, July 29, 2010
30. 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
31. Chaired a session in "International Workshop on Referential Entity Resolution", organized by AU-KBC, MIT campus, Anna University, Chennai, Jan15-17,2008
32. Chaired a session on "Computational Linguistics" in the 28th All India Conference of Linguists, Department of Linguistics, BHU, on Nov 4, 2006
33. Chaired a session in the National Seminar on *Translation Today: state and issues*, Deptt. of Linguistics, University of Kerala, Trivandrum, August 23-25, 2005

Workshops

1. Participated in 4 day workshop on Samasa Tagging at Poornaprajna Vidyapeetha, Bangalore, May 16-19, 2009
2. 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
3. Participated in a series of workshops on editing *Hindi-English-Bodo Dictionary*, at Central Hindi Directorate during first quarter of 2008
4. *International Workshop on Referential Entity Resolution*, AU-KBC, MIT campus, Anna University, Chennai, Jan15-17,2008
5. *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
7. *Indic languages tagset design*, a four day workshop organized at Microsoft Research India Lab, Bangalore, March15-18, 2007
8. *Indic languages tagset design*, a three day workshop organized at Microsoft Research India Lab, Bangalore, Jan19-21, 2007
9. *Indic languages tagset design*, a two day workshop organized at Microsoft Research India Lab, Bangalore, 2-3 Dec, 2006
10. *Indic languages tagset design*, a two day workshop organized at Microsoft Research India Lab, Bangalore, 28-29 Oct, 2006
11. *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

Supervision of Research Students

- M. Phil. - Supervised 40 (2 in progress)
- Ph.D. - Supervised 36 (15 in progress)

Projects

1. Machine Translation Evaluation Platform (MTEP), Innovation Grant from UPE-II, JNU, 2017-19
2. [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
3. [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), 2012-16
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), 2009-12
5. [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, 2008-12
6. [Online Multilingual Amarakosa](#) : as Director: funded by JNU under UPOE program of UGC, 2005-07
7. Database system for dialects of Hindi (2002-03): 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
8. ALED (Active Living Everyday) at Human Kinetics, USA: a dynamic content, interactive website for fitness management 2002: project manager and lead programmer
9. Internationalization project of CollaTech e-solutions using JAVA resource bundles. Project involves making the source code compatible to the multilingual locales and languages, 2001
10. Database development project at the University of Illinois's Beckman Institute for Advanced Science and Technology 1998-99: database programmer
11. Analyzing schizophrenic speech at Dept. of Psychology, University Of Illinois, Urbana-Champaign, 1997: research assistant
12. Developing technical terminology for Hindi (attended a series of workshops organized by Scientific and Technical Terminology Commission, Min of HRD, 1994-96) and contributed in developing technical terminology for Hindi
13. Computer Assisted Sanskrit Teaching Learning Environment (DoE sponsored project at JNU 1991-94): research investigator

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 for software development

Awards / Honors

1. Received the "**Datta Peetha Aasthaana Vidvana**" award for Sanskrit linguistics at the Shri Ganapati Sachchidananda Ashram Mysore on 26th May 2017
2. **KECSS Felicitation Award.-2016** for the revival and development of Sharada script by Kashmir Education, Culture and Science Society (KECSS), 26th Feb, 2016
3. **DAAD fellowship (Germany)** to teach Computational Linguistics at University of Wurzburg, Germany in 2014
4. Nominated to the **Editorial Board of Springer** for their journal *Language Resource and Evaluation (LRE)* since Feb 2010.
5. **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
7. Beckman Institute for Advance Science & Technology, University of Illinois *Research Assistantship* for advanced studies (Illinois, USA) 1998
8. Member of the prestigious Cognitive Science group at the University of Illinois (USA): 1997-1999
9. Ranked *Excellent Teacher* twice by students of Hindi at University of Illinois (USA) :1997,1998
10. University of Illinois Urbana-Champaign Teaching Assistantship for teaching Hindi language and linguistics to U.S. students: (Illinois, USA) :1997
11. Dept. of Psychology, University of Illinois, Urbana-Champaign *Research Assistantship* (summer 1997) to study schizophrenic speech (Illinois, USA) 1997