




Faculty Profile for Delhi University Web-site

Title	Dr.	First Name	SUBHASH	Last Name	CHANDRA	Photograph
Designation	Assistant Professor					
Address	Office: Department of Sanskrit, Faculty of Arts, University of Delhi-110007, Residence: K-6, 3rd Floor, Sawan Park, Near Sundarlal Jain Hospital, Phase-III, Ashok Vihar Delhi 110052					
Phone No. (Office)	+91-11-2766657					
(Residence)	Nil					
(Mobile)	+91-9953215276					
Email	subhash.jnu@gmail.com schandra@sanskrit.du.ac.in schandra.du@gmail.com					
Web-Page	http://sanskrit.du.ac.in/faculty/subhash.html					
Educational Qualifications						
Degree	Institution				Year	
Ph.D.	Jawaharlal Nehru University, New Delhi				2012	
M.Phil.	Jawaharlal Nehru University, New Delhi				2006	
PG	University of Delhi				2004	
UG	VBS Purvanchal University, Jaunpur, UP				2002	
Any other qualification						
Computational Skills						
<ol style="list-style-type: none">1. Web Technology2. Programming languages: PROLOG, JAVA, Java Server Pages (JSP), Python, Python Server Pages (PSP).3. Scripting Language: HTML, DHTML, XML and PHP.4. Database Package: MySQL and MS SQL Server 2003/2005.5. Operating System: WINDOWS system, Linux, DOS.						
Career Profile						
<ol style="list-style-type: none">1. Assistant Professor at University of Delhi from April, 2014 to present.2. Technical Officer at Centre for Development of Advanced Computing (CDAC), Kolkata, a Scientific Society of the Department of Electronics & Information Technology (DeitY), Ministry of Communications & Information Technology, Government of India from January 12th, 2007 to March 31st, 2014.3. Research Assistant (Part Time) at Microsoft Corporation Pvt. Ltd. Gurgaon India from January 2006- June 2006.4. Research Assistant (Part Time) at Special Centre for Sanskrit Studies, Jawaharlal Nehru University, New Delhi, from January 2006- June, 2006.						

Administrative Assignments (35)

1. Nominated as a Nodal Officer of Foreign Students, 2018-19, Department of Sanskrit, University of Delhi, Delhi.
2. Nominated as a Co-Convener of M.A. Admission Committee, 2018-19, Department of Sanskrit, University of Delhi, Delhi.
3. Convener of Reviewing and Proof Reading of Choice Based Credit System (CBCS) Syllabus for UG, Department of Sanskrit, University of Delhi, Delhi, 2016.
4. Nominated as a Co-Convener of Ph.D. Course Work Committee, 2017-18, Department of Sanskrit, University of Delhi, Delhi.
5. Nominated as a Member of PG Admission Committee for Sanskrit Department, 2017-18, Department of Sanskrit, University of Delhi, Delhi.
6. Convener of Reviewing and Proof Reading of Choice Based Credit System (CBCS) Syllabus for UG, Department of Sanskrit, University of Delhi, Delhi, 2016.
7. Nominated as an Observer for Delhi University Entrance Test (DUET-2016) for University of Delhi, University of Delhi, Delhi.
8. Nominated as a Member of PG Admission Committee for Sanskrit Department, 2016-17, Department of Sanskrit, University of Delhi, Delhi.
9. Nominated as a Member of Departmental AQAR of IQAC Report Evaluation Committee, 2015-16, Department of Sanskrit, University of Delhi, Delhi.
10. Nominated as a Member of Ph.D. Course Work Classes Arrangement Committee as per New Guidelines, 2015-16, Department of Sanskrit, University of Delhi, Delhi.
11. Nominated as a Member of UG Paper Setting, 2015-16, Department of Sanskrit, University of Delhi, Delhi.
12. Nominated as a Convener of Departmental Class Monitoring Committee, 2015-16, Department of Sanskrit, University of Delhi, Delhi.
13. Nominated as a Convener of Departmental Time Table Committee, 2015-16, Department of Sanskrit, University of Delhi, Delhi.
14. Nominated as a Member of Course Development Committee for PH.D. Course Work as per New Guidelines, 2015-16 , Department of Sanskrit, University of Delhi, Delhi.
15. Nominated as a Member of Departmental Research Sub-Committee Sub(DRC), 2015-16 , Department of Sanskrit, University of Delhi, Delhi.
16. Nominated as a Convener of Choice Based Credit System (CBCS) for UG, Department of Sanskrit, University of Delhi, Delhi, 2015-Till Date. .
17. Nominated as a Member of Course Development for Choice Based Credit System (CBCS), 2015-16, Department of Sanskrit, University of Delhi, Delhi.
18. Nominated as a Member of Implementation of Uniform for Choice Based Credit System (CBCS), 2015-16, Department of Sanskrit, University of Delhi, Delhi.
19. Nominated as a Member of UG Paper Setting, 2014-15, Department of Sanskrit, University of Delhi, Delhi.
20. Nominated as a Member of Evaluation of PG Examination for Sanskrit, 2015, Department of Sanskrit, University of Delhi, Delhi.
21. Nominated as a Member of Evaluation of PG Examination for Sanskrit, 2015, Department of Sanskrit, University of Delhi, Delhi.
22. Nominated as a Member of PG Admission Committee for Sanskrit Department, 2015-16, Department of Sanskrit, University of Delhi, Delhi.
23. Nominated as a Member of Online PG Admission Committee for Sanskrit Department, 2015-16, Department of Sanskrit, University of Delhi, Delhi.
24. Nominated as a Member of NACC Report Preparation Committee 2014, Department of Sanskrit,

University of Delhi, Delhi.
25. Nominated as a Member of NACC Report Preparation Committee 2014, Department of Sanskrit, University of Delhi, Delhi.
26. Nominated as a Convener of Purchase Committee for Seed Grants 2014, Department of Sanskrit, University of Delhi, Delhi.
27. Nominated as a Member of NACC Report Preparation Committee 2014, Department of Sanskrit, University of Delhi, Delhi.
28. Nominated as a Member of Evaluation of PG Examination for Sanskrit, 2014, Department of Sanskrit, University of Delhi, Delhi.
29. Nominated as a Member of Module Map Committee (P.G.), Department of Sanskrit, University of Delhi, Delhi.
30. Nominated as a Member of V.H. Lab In-Charge, Department of Sanskrit, University of Delhi, Delhi.
31. Nominated as a Member of PG Internal Assessment Committee for 2014, Department of Sanskrit, University of Delhi, Delhi.
32. Nominated as a Member of M.Phil. Entrance Test Result Committee for 2014, Department of Sanskrit, University of Delhi, Delhi.
33. Nominated as a Member of E-Journal & E-magazine Committee, Department of Sanskrit, University of Delhi, Delhi.
34. Nominated as a Member of Departmental PG Admission Committee, 2014-15, Department of Sanskrit, University of Delhi, Delhi.
35. Nominated as a Member of Online PG Admission Committee for Sanskrit Department, 2014-2015, Department of Sanskrit, University of Delhi, Delhi.
36. Nominated as a Member of Departmental Web Team/Committee, Department of Sanskrit, University of Delhi, Delhi.
37. Nominated as a Member of Official Language Implementations (Rajbhasha) Committee at Centre for Development of Advanced Computing (CDAC), Kolkata, under Department of Electronics and Information Technology (DeitY), Ministry of Communications & Information Technology (MCIT), Govt. of India.
Areas of Interest / Specialization
Sentiment Analysis, Sanskrit and Other Indian languages & linguistics, Science & Technology in Sanskrit texts, Computational Lexicography, Machine Translation, E-learning, web based technologies, Code-Mixing and Code Switching, Panini Grammar and Linguistics, E-learning, Verb Semantics, E-corpora building / E-learning, Ayurveda
Subjects Taught
Language Technology Computational Linguistics Sanskrit Grammar Indian Culture and Civilization Linguistics Research Methodology Sanskrit Literature Information Technology
Time Table of the Subjects Taught During the Current Semester
Direct Teaching
S.No. Subject Days Time Classroom

1.	संस्कृत साहित्य में प्रतिपादित सभ्यता एवं संस्कृति की रूपरेखा	16 Week	64 Hours	11, 12, 73 and 74 (North Delhi Campus)
2.	मृच्छकटिकम्	16 Week	32 hours	73 and 74 (North Delhi Campus)
3.	सिद्धान्तकौमुदी (तिङ्न्त)	16 Week	32 Hours	66 (North Campus)
4.	भाषाविज्ञान	16 Week	48 Hours	66 (North Campus), 13 (South Delhi Campus)
4.	लघुसिद्धान्तकौमुदी (सुबन्त)	16 Week	32 Hours	12 (North Campus)
5.	लघुसिद्धान्तकौमुदी (तिङ्न्त)	16 Week	112 Hours	11, 12 (North Campus) 13 (South Delhi Campus)
4.	संस्कृत साहित्य में प्रतिपादित सभ्यता एवं संस्कृति की रूपरेखा (आईडीसी)	16 Week	32 Hours	11 and 12 (North Delhi Campus)
5.	धर्मशास्त्र के प्रमुख आचार्य	16 Week	16 Hours	South Delhi Campus
7.	Research Methodology (M.Phil/PhD)	16 Week	40 Hours	Research Room
Research Guidance				
1.	4 PhD Research Student	16 Week	320 Hour	Cabin No. 4
Administrative Assignment				
1.	Administrative Assignment	16 Week	200 Hours	Department of Sanskrit
Research Guidance				
<i>List against each head (If applicable)</i>				
1. Supervision of awarded Doctoral Thesis:			Nil	
2. Doctoral Thesis submitted:			02	
1. सनाद्यन्त क्रियापदों का सङ्गणकीय अनुप्रयोग, अभिज्ञान एवं विश्लेषण by Bhupendra Kumar.				
2. यान्त्रिक अनुवाद के लिए तद्विद्वान्त पदों की पहचान एवं विश्लेषण by Sakshi.				
3. Supervision of Doctoral Thesis, under progress:			02	
1. संस्कृत क्रियापदों का सङ्गणकीय अभिज्ञान, विश्लेषण एवं रूप सिद्धि हेतु वेब आधारित तंत्र का विकास: भ्वादिगण के संदर्भ में by Vivek Kumar, 2015-19.				
2. साङ्ख्य-योग दर्शन के पारिभाषिक शब्दों का विश्लेषणात्मक अध्ययन एवं वेब तंत्र का विकास By Anju, 2016-20				

4. Supervision of awarded M.Phil dissertations: 02

1. संस्कृत छन्द शिक्षण के लिए वेब आधारित सहायक तंत्र का विकास by Ravi Kumar Meena, 2014-15.
2. तात्कालिक संदर्भ हेतु वेब आधारित ऑनलाइन ऋग्वैदिक अनुक्रमणिका का विकास by Jalaj Kumar, 2014-15.

5. Supervision of M.Phil dissertations, under progress: Nil

Publications Profile

List against each head (If applicable) (as illustrated with examples)

Books/Monographs (Authored/Edited) (5) Published:

1. Meena Ravi Kumar and **Chandra Subhash** (2017). *संस्कृत छन्द प्रवेशिका: यूजीसी सीबीसीएस स्कीम के अन्तर्गत बीए (ऑनर्स/पास) संस्कृत के पाठ्यक्रम आईईसी-5 तथा जीई-3 हेतु पाठ्य-पुस्तक*, Munshiram Manoharlal Publishers Pvt. Ltd., New Delhi, ISBN 978-81-215-1318-0.
2. **Chandra Subhash** (March, 2017). *मशीनी अनुवाद (Machine Translation)_यूजीसी सीबीसीएस स्कीम के तहत बीए (संस्कृत) के आईईसी (AEEC)-3 के पाठ्यक्रम पर आधारित*. Vidya Nidhi Prakashana, New Delhi, India, ISBN 978-93-85539-52-7.
3. **Chandra Subhash**, Kumar Bhupendra, Kumar Vivek and Sakshi (Jan, 2017). *लघुसिद्धान्तकौमुदी आधारित कम्प्यूटरकृत सुबन्त-रूप सिद्धि प्रक्रिया*. Vidya Nidhi Prakashana, New Delhi, India, ISBN 978-93-85539-53-4.
4. **Chandra Subhash** (2016). *Knowledge Representation for Sanskrit Verb Argument Valence Authentication: An Ontological Approach*. Scholars' Press, Heinrich-Böcking-Str. 6-8, 66121, Saarbrücken, Germany, ISBN 978-3-639-70052-7.
5. **Chandra, Subhash** and Jha Girish N. (2011). *Computer Processing of Sanskrit Nominal Inflections: Methods and Implementation*. UK: Cambridge Scholars Publishing (CSP).

Books/Monographs (Authored/Edited) (Accepted/Under Publication) (0):

Nil

Chapter in Books (1):

1. **Chandra, Subhash**. (2015). Computational Linguistics for Sanskrit: A Practical Interdisciplinary Research. *Dimensions of Higher Education*. New Delhi Publishers, Delhi.

Research papers published:

Research papers published in Refereed/Peer Reviewed Journals (11):

1. Anju and **Chandra, Subhash**. (2018). Mining of the Technical Terms of Sāṃkhya-Yoga Philosophy. *Journal of Emerging Technologies and Innovative Research (JETIR)*, ISSN 2349-5162, Volume 5:5, pp-. Impact Factor: 5.87.

- 2 Anju and **Chandra, Subhash**. (2018). Development of Web-Based Dictionary for the Technical Terms of Sāmkhya-Yoga Philosophy. *International Journal of Creative Research Thoughts*, ISSN 2320-2882, Volume 6:1, pp-724-728. Impact Factor: 5.97.
- 3 Sakshi and **Chandra, Subhash**. (2017). Sanskrit taddhita and English Suffixes: A Primary Investigation. *Language in India*, ISSN 1930-2940, Volume 17:5.
- 4 Kumar Vivek and **Chandra, Subhash**. (2017). भ्वादिगणीय धातुओं के लिये क्रियापदसिद्धि तन्त्र का निर्माण. *National Journal of Hindi & Sanskrit Research*, ISSN 2454-9177, Volume 1(10).
- 5 **Chandra, Subhash** and Anju. (2017). Puranic Search: An Instant Search System for Puranas. *Language in India*, ISSN 1930-2940, Volume 17:5.
- 6 **Chandra, Subhash**, Kumar, Vivek, Sakshi and Kumar Bhupendra. (2017). Innovative Teaching and Learning of Sanskrit Grammar through SWAGATAM (स्वगतम्). *Language in India*, ISSN 1930-2940, Volume 17:1.
- 7 **Chandra, Subhash**, Kumar Bhupendra, Kumar Vivek and Sakshi. (2016). Acute Sporadic English in Bollywood Film Songs' Lyrics: A Textual Evidence based Analysis of Code-Mixing in Hindi. *Language in India*, ISSN 1930-2940, Volume 16:11
- 8 Kumar Bhupendra and **Chandra, Subhash**. (2016). संस्कृत सनाद्यन्त क्रियापदों की संगणकीय पहचान एवं विश्लेषण: सामान्य अध्ययन. *Sanskriti Darpan by International Referred Online Research Journal*, ISSN 2278-814X, Volume 52.
- 9 **Chandra, Subhash**. (2010). Automatic Nominal Morphological Recognizer and Analyzer for Sanskrit: Method and Implementation. *Language in India*, ISSN 1930-2940, Volume 10: 2.
- 10 Bhadra Manji, Singh Surjit Kumar, Kumar Sachin, **Chandra Subhash**, Agrawal Muktanand, Chandrashekar R., Mishra Sudhir Kumar and Jha Girish Nath (2009). Sanskrit Analysis System (SAS). *Sanskrit Computational Linguistics Lecture Notes in Computer Science by Springer Berlin Heidelberg*, ISBN978-3-540-93884-2: Volume-5406/2009 Page 116-133, December 16, 2008.
- 11 Jha Girish Nath, Agrawal Muktanand, **Chandra Subhash**, Mishra Sudhir Kumar, Mani Diwakar, Mishra Diwakar, Bhadra Manji & Singh Surjit Kumar (2009). Inflectional Morphology Analyzer for Sanskrit. *Sanskrit Computational Linguistics Lecture Notes in Computer Science by Springer Berlin Heidelberg*, ISBN: 978-3-642-00154-3, 2009, Page: 219-238.

Research papers published in Academic Journals other than Refereed/Peer Reviewed Journals
Nil

Research papers published in Refereed/Peer Reviewed Conferences (10):

- 1 **Chandra Subhash**, Kumar Bhupendra, Kumar Vivek and Sakshi. (2016). Lexical Resources for Detection, Analysis and Word Formation process for Sanskrit Morphology. In

Proceedings of 3rd Workshop on Indian Language Data: Resources and Evaluation under 10th Edition of its Language Resources and Evaluation Conference (LREC-2015), Grand Hotel Bernardin Conference Center, Portorož (Slovenia), During 23-28 May 2016., pp.65-68.

- 2 **Chandra Subhash.** (2014). Main ho gaya single I wanna mingle... : An Evidence of English Code-Mixing in Bollywood Songs Lyrics Corpora. In Proceedings of the First Workshop on Language Technology for Indian Social Media Text with the Eleventh International Conference on Natural Language Processing (ICON-2014), 18-21 December, 2014, Goa University, Goa, India.
- 3 **Chandra Subhash** and Kundu Bibekananda. (2013). Hunting Elusive English in Hinglish and Benglish Text: Unfolding Challenges and Remedies Proceedings of the 10th International Conference on Natural Language Processing (ICON-2013), at Centre for Development of Advanced Computing (CDAC), Noida, India during 18-20 December, 2013.
- 4 Kundu Bibekananda and **Chandra Subhash.** (2012). Automatic Detection of English Words in Benglish Text: A Statistical Approach Proceedings of the 4th International Conference on Intelligent Human Computer Interaction 2012 (IHCI 2012), at the Indian Institute of Technology Kharagpur, India during 27–29 December, 2012.
- 5 Bhattacharyya Pampa, Mitra Mridusmita, Pal Barnali and **Chandra Subhash.** (2012). Divergence Patterns between English, Bangla and Assamese: A Machine Translation Perspective Proceedings of the 15th Oriental International Committee for the Co-ordination and Standardization of Speech Databases and Assessment Techniques Conference (COCOSDA 2012), at the University of Macau, Macau, China during December 9-12, 2012.
- 6 **Chandra Subhash.** (2012). Restructuring of Paninian Morphological Rules for Computer processing of Sanskrit Nominal Inflections. Proceedings of the Workshop on Indian Language Data: Resources and Evaluation, May, 21, 2012, Lütfi Kırdar Istanbul Exhibition and Congress Centre, Turkey.
- 7 **Chandra Subhash** and Bhattacharyya Pampa. (2011). Ontological Knowledge Database for Bangla Verb Arguments. Proceeding of 14th Oriental COCOSDA, Microelectronics and Information Systems Research Center, National Chiao Tung University, Hsinchu, Taiwan, held on Oct. 26-28, 2011.
- 8 **Chandra Subhash** and Bhattacharyya Pampa (2010). Valency Analyzer of Verb Arguments for Bangla. Proceeding of 13th Oriental COCOSDA Workshop held on November 24-25, in Kathmandu, Nepal, 2010.
- 9 **Chandra Subhash** and Jha Girish Nath (2010). Sanskrit Verb Argument Valence: A Computational Analysis. Proceeding of 13th Oriental COCOSDA Workshop held on November 24-25, in Kathmandu, Nepal, 2010.
- 10 Jha Girish Nath, Bhowmik Priti, Mishra Sudhir Kumar, Chandrashekar R, **Chandra Subhash**, Mendiratta Sachin & Agrawal Muktanand (2006). Towards a Computational

analysis system for Sanskrit. Proceeding of first National symposium on Modeling and Shallow parsing of Indian Languages at Indian Institute of Technology Bombay pp 25-34 on 2nd to 4th April 2006.

Research papers Accepted in Refereed/Peer Reviewed Conferences/Seminar (12):

- 1 Kumar, Jalaj and **Chandra Subhash**. (2016). तात्कालिक सन्दर्भ हेतु वेब आधारित ऋग्वेदीय खोज एव अनुक्रमणिका तंत्र का परिचय. *International Conference on Veda: Veda as Global Heritage: Scientific Perspectives (वेदों की वैश्विक धरोहर: वैज्ञानिक आयाम)*, Special Center for Sanskrit Studies, Jawaharlal Nehru University, New Delhi During, Dec 15-18, 2016.
- 2 **Chandra Subhash**, Kumar Bhupendra, Kumar Vivek and Sakshi. (2016). SWAGATAM: An E-Learning Tools for Teaching and Learning Sanskrit Grammar in Higher Education. *International Conference on Veda: Veda as Global Heritage: Scientific Perspectives (वेदों की वैश्विक धरोहर: वैज्ञानिक आयाम)*, Special Center for Sanskrit Studies, Jawaharlal Nehru University, New Delhi During, Dec 15-18, 2016.
- 3 **Chandra Subhash** and Anju. (2016). साङ्ख्य योग दर्शन के पारिभाषिक शब्दों के विश्लेषण हेतु वेब तंत्र का विकास. *International Conference on Veda: Veda as Global Heritage: Scientific Perspectives (वेदों की वैश्विक धरोहर: वैज्ञानिक आयाम)*, Special Center for Sanskrit Studies, Jawaharlal Nehru University, New Delhi During, Dec 15-18, 2016.
- 4 Sakshi and **Chandra Subhash**. (2016). संस्कृत साहित्य में प्रयुक्त तद्धितान्त पदों की पहचान एवं विश्लेषण. *International Conference on Veda: Veda as Global Heritage: Scientific Perspectives (वेदों की वैश्विक धरोहर: वैज्ञानिक आयाम)*, Special Center for Sanskrit Studies, Jawaharlal Nehru University, New Delhi During, Dec 15-18, 2016.
- 5 Kumar Bhupendra and **Chandra Subhash**. (2016). संस्कृत सनाद्यन्त विश्लेषक. *International Conference on Veda: Veda as Global Heritage: Scientific Perspectives (वेदों की वैश्विक धरोहर: वैज्ञानिक आयाम)*, Special Center for Sanskrit Studies, Jawaharlal Nehru University, New Delhi During, Dec 15-18, 2016.
- 6 **Chandra Subhash** and Vivek Kumar. (2016). ई-शिक्षण हेतु संस्कृत क्रियापदों की रूपसिद्धि के लिये वेब तंत्र का विकास. *International Conference on Veda: Veda as Global Heritage: Scientific Perspectives (वेदों की वैश्विक धरोहर: वैज्ञानिक आयाम)*, Special Center for Sanskrit Studies, Jawaharlal Nehru University, New Delhi During, Dec 15-18, 2016 for poster session.
- 7 **Chandra Subhash**, Kumar Bhupendra, Kumar Vivek and Sakshi. (2015). Detection, Analysis and Word Formation Process of Sanskrit Morphology: A Hybrid Approach. Twenty Second International Congress of Vedanta(22Vedanta), Special Center for Sanskrit Studies, Jawaharlal Nehru University, New Delhi During, Dec 27-30, 2015 for Poster Session.
- 8 Ravi Kumar Meena and **Chandra Subhash**. (2015). ऑनलाइन संस्कृत छन्द सूचना तंत्र. Twenty Second International Congress of Vedanta(22Vedanta), Special Center for

Sanskrit Studies, Jawaharlal Nehru University, New Delhi During, Dec 27-30, 2015 for Poster Session.

- 9 Kumar Bhupendra and **Chandra Subhash**. (2015). वेदान्त ग्रन्थों के अर्थनिर्धारण हेतु नियम एवं उदाहरण संयुक्त विधि का प्रयोग करके संस्कृत सनाद्यन्त क्रियापदों की संगणकीय पहचान एवं विश्लेषण. Twenty Second International Congress of Vedanta(22Vedanta), Special Center for Sanskrit Studies, Jawaharlal Nehru University, New Delhi During, Dec 27-30, 2015.
- 10 Sakshi and **Chandra Subhash**. (2015). नियम एवं उदाहरण मिश्रित विधि से वेदान्त ग्रन्थों के व्याकरणिक विश्लेषण के लिए तद्धितान्त पदों की संगणकीय पहचान एवं विश्लेषण. Twenty Second International Congress of Vedanta(22Vedanta), Special Center for Sanskrit Studies, Jawaharlal Nehru University, New Delhi During, Dec 27-30, 2015.
- 11 Kumar Vivek and **Chandra Subhash**. (2015). उदाहरण-नियम संयुक्त विधि से संस्कृत क्रियापदों का अभिज्ञान, विश्लेषण एवं रूपसिद्धि तंत्र का विकास. Twenty Second International Congress of Vedanta (22Vedanta), Special Center for Sanskrit Studies, Jawaharlal Nehru University, New Delhi During, Dec 27-30, 2015.
- 12 Meena Ravi Kumar and **Chandra Subhash**. (2015). संस्कृत छन्द शिक्षण हेतु छात्रों एवं शिक्षकों के लिये वेब आधारित सहायक तंत्र का विकास. Twenty Second International Congress of Vedanta(22Vedanta), Special Center for Sanskrit Studies, Jawaharlal Nehru University, New Delhi During, Dec 27-30, 2015.

Abstract of Research Papers and Articles (6):

- 1 Chandra Subhash. (2015). Restructuring Meter Rules for Automatic Detection and Analysis of Meter (chhanda) in Classical Sanskrit Verses. In 16th World Sanskrit Conference, Sanskrit Studies Centre, Silpakorn University, Bangkok, Thailand International Association of Sanskrit Studies (IASS), Bangkok, 28 June–2 July 2015.
- 2 Chandra Subhash (2011). Meter Information System for Sanskrit. Proceeding of 32nd Annual Conference of Linguistic Society of Nepal, Kathmandu, November 26-27, 2011.
- 3 Chandra Subhash (2006). Computational identification and analysis of complicated Sanskrit noun phrases. Proceeding of 2nd International Conference on cognitive Science (ICCS-2006) at Centre for Behavioral and Cognitive Sciences, University of Allahabad, Allahabad, U.P. India, on 10th to 12th December 2006.
- 4 Chandra Subhash & Jha Girish Nath (2005). Morphological analysis of nominal inflection in Sanskrit. Proceeding of Platinum Jubilee International conference L.S.I. at CLTS, Hyderabad University Hyderabad Andhra Pradesh., pp 34 On 6th to 8th December 2005.
- 5 Chandra Subhash & Jha Girish Nath (2006). Sanskrit Subanta recognizer and analyzer for machine translation. Proceeding of 28th All India Conference of Linguists (28th AICL) at Department of Linguistics, Banaras Hindu University (BHU), India, on 2nd to 4th November 2006.

- 6 Chandra Subhash & Jha Girish Nath (2005). Developing a Sanskrit analysis system for Machine translation. Proceeding of a National seminar on 'Translation today state and issues', Department of Linguistics, at University of Kerla, Tirivenantpuram Kerla August, 23rd -25th 2005.

Thesis of Dissertation (2)

- 1 Chandra, Subhash. 2012. Ontological Knowledgebase for Selected Verbs of Sanskrit and Bangla. Ph.D. thesis, Jawaharlal Nehru University, New Delhi.
- 2 Chandra, Subhash. 2006. Machine Recognition and Morphological Analysis of Subanta-padas. M.Phil. Diss., Jawaharlal Nehru University, New Delhi.

Research and Development (13):

- 1 Developed Expert System for Sanskrit Grammar for E-learning: In case of Subanta in Python/PSP.
- 2 Developed Web based Sanskrit Meter Information System in Python/PSP.
- 3 Developed Sanskrit tadditanta Recognizer and Analyzer in Python/PSP.
- 4 Developed Sanskrit Secondary Verb Recognizer and Analyzer in Python/PSP.
- 5 Developed Web based Rigveda Indexing System in Python/PSP.
- 6 Developed Departmental website of department of Sanskrit University of Delhi.
- 7 Developed Nominal Morphological recognizer and Analyzer for Sanskrit in JAVA/JSP, Apache Tomcat.
- 8 Developed Nominal Morphological Generator for Sanskrit prepared dataset for this system.
- 9 Sanskrit Compound Generation in Paninian formulation in PROLOG.
- 10 Bangla Lexicon Format Generator and Checker in Python.
- 11 Ontological knowledge data entry interface for Sanskrit and Bangla in Python/PSP.
- 12 Bangla Verb Semantic Analyzer in Python/PSP.
- 13 संस्कृत प्रत्याहार सूचना तंत्र (Panini Variable System) in JAVA JSP.

Conference Organization/ Presentations (25)

List against each head (If applicable)

Organization of a Conference (1)

1. Organized 5th National Sanskrit Journalists Conference, at Swaaminarayan Aksharadhaam, N.H.-24, New Dehli-110092 during December 10-11, 2015.

Participation as Paper/Poster Presenter (31)

1. तात्कालिक सन्दर्भ हेतु वेब आधारित ऋग्वेदीय खोज एव अनुक्रमणिका तंत्र का परिचय. *International Conference on Veda: Veda as Global Heritage: Scientific Perspectives (वेदों की वैश्विक धरोहर: वैज्ञानिक आयाम)*, Special Center for Sanskrit Studies, Jawaharlal Nehru University, New Delhi During, Dec 15-18, 2016.

2. SWAGATAM: An E-Learning Tools for Teaching and Learning Sanskrit Grammar in Higher Education. *International Conference on Veda: Veda as Global Heritage: Scientific Perspectives (वेदों की वैश्विक धरोहर: वैज्ञानिक आयाम)*, Special Center for Sanskrit Studies, Jawaharlal Nehru University, New Delhi During, Dec 15-18, 2016.
3. साङ्ख्य योग दर्शन के पारिभाषिक शब्दों के विश्लेषण हेतु वेब तंत्र का विकास. *International Conference on Veda: Veda as Global Heritage: Scientific Perspectives (वेदों की वैश्विक धरोहर: वैज्ञानिक आयाम)*, Special Center for Sanskrit Studies, Jawaharlal Nehru University, New Delhi During, Dec 15-18, 2016.
4. संस्कृत साहित्य में प्रयुक्त तद्धितान्त पदों की पहचान एवं विश्लेषण. *International Conference on Veda: Veda as Global Heritage: Scientific Perspectives (वेदों की वैश्विक धरोहर: वैज्ञानिक आयाम)*, Special Center for Sanskrit Studies, Jawaharlal Nehru University, New Delhi During, Dec 15-18, 2016.
5. संस्कृत सनाद्यन्त विश्लेषक. *International Conference on Veda: Veda as Global Heritage: Scientific Perspectives (वेदों की वैश्विक धरोहर: वैज्ञानिक आयाम)*, Special Center for Sanskrit Studies, Jawaharlal Nehru University, New Delhi During, Dec 15-18, 2016.
6. ई-शिक्षण हेतु संस्कृत क्रियापदों की रूपसिद्धि के लिये वेब तन्त्र का विकास. *International Conference on Veda: Veda as Global Heritage: Scientific Perspectives (वेदों की वैश्विक धरोहर: वैज्ञानिक आयाम)*, Special Center for Sanskrit Studies, Jawaharlal Nehru University, New Delhi During, Dec 15-18, 2016 for poster session.
7. Introduction & Analysis of Sanskrit Curriculum under CBCS Scheme. in National Seminar on *Learning of Sanskrit Shastra's in Present University System*, Organized by South Campus, University of Delhi, Delhi during March 11-12, 2016
8. Detection, Analysis and Word Formation Process of Sanskrit Morphology: A Hybrid Approach. in Twenty Second International Congress of Vedanta(22Vedanta), Special Center for Sanskrit Studies, Jawaharlal Nehru University, New Delhi During, Dec 27-30, 2015 for Poster Session.
9. ऑनलाइन संस्कृत छन्द सूचना तन्त्र. in Twenty Second International Congress of Vedanta(22Vedanta), Special Center for Sanskrit Studies, Jawaharlal Nehru University, New Delhi During, Dec 27-30, 2015.
10. वेदान्त ग्रन्थों के अर्थनिर्धारण हेतु नियम एवं उदाहरण संयुक्त विधि का प्रयोग करके संस्कृत सनाद्यन्त क्रियापदों की संगणकीय पहचान एवं विश्लेषण. in Twenty Second International Congress of Vedanta(22Vedanta), Special Center for Sanskrit Studies, Jawaharlal Nehru University, New Delhi During, Dec 27-30, 2015
11. नियम एवं उदाहरण मिश्रित विधि से वेदान्त ग्रन्थों के व्याकरणिक विश्लेषण के लिए तद्धितान्त पदों की संगणकीय पहचान एवं विश्लेषण. in Twenty Second International Congress of Vedanta(22Vedanta), Special Center for Sanskrit Studies, Jawaharlal Nehru University, New

Delhi During, Dec 27-30, 2015.

12. उदाहरण-नियम संयुक्त विधि से संस्कृत क्रियापदों का अभिज्ञान, विश्लेषण एवं रूपसिद्धि तंत्र का विकास. in Twenty Second International Congress of Vedanta (22Vedanta), Special Center for Sanskrit Studies, Jawaharlal Nehru University, New Delhi During, Dec 27-30, 2015.
13. संस्कृत छन्द शिक्षण हेतु छात्रों एवं शिक्षकों के लिये वेब आधारित सहायक तंत्र का विकास. in Twenty Second International Congress of Vedanta(22Vedanta), Special Center for Sanskrit Studies, Jawaharlal Nehru University, New Delhi During, Dec 27-30, 2015.
14. Computational Linguistics for Sanskrit: A Practical Interdisciplinary Research. In Orientation Programme at CPDHE, University of Delhi, Delhi, 17th Nov to 15th Dec 2015.
15. Various Research Opportunities in Computational Linguistics for Sanskrit. In 5th National Sanskrit Journalists Conference, December 10-11, 2015.
16. Restructuring Meter Rules for Automatic Detection and Analysis of Meter (chhanda) in Classical Sanskrit Verses. in 16th World Sanskrit Conference, Sanskrit Studies Centre, Silpakorn University, Bangkok, Thailand International Association of Sanskrit Studies (IASS), Bangkok, 28 June–2 July 2015.
17. Development of Knowledge Database for Sanskrit Verb Argument using Ontological Approach this paper has been presented as poster in Twentieth International Congress of Vedanta (20th Vedanta) organized by Special Center for Sanskrit Studies & Center for Philosophy, Jawaharlal Nehru University, New Delhi, Dec 28-31, 2011.
18. Morphological analysis of nominal inflection in Sanskrit this paper presented in Platinum Jubilee International conference L.S.I. at CLTS, Hyderabad University Hyderabad A.P., on 6th to 8th December 2005.
19. Towards a Computational analysis system for Sanskrit this paper presented in the first National symposium on Modeling and Shallow parsing of Indian Languages at Indian Institute of Technology Bombay on 2nd to 4th April 2006.
20. Sanskrit Subanta recognizer and analyzer for machine translation this paper presented in The 28th All India Conference of Linguistics (AICL), Department of Linguistics, Banaras Hindu University Varanasi on 2th-4th November 2006.
21. Computational identification and analysis of complicated Sanskrit noun phrases this paper presented in The 2nd International Conference on cognitive Science (ICCS-2006) at Centre for Behavioral and Cognitive Sciences, University of Allahabad, Allahabad, U.P. India, on 10th to 12th December 2006.
22. Machine Recognition and Morphological analysis of Subanta-padas presented for the Viva of M.Phil. under observation of Prof. Uma Maheshwar Rao, Department of Linguistics, Hyderabad Central University, Hyderabad at the committee room, Special Centre for

Sanskrit Studies (SCSS), Jawaharlal Nehru University, New Delhi, on 9th January 2007.

23. A Morphological Analyzer for Sanskrit Nominal Inflectional Morphology (subanta padas) this paper presented in The First International Symposium on Sanskrit Computational Linguistics at Paris, on 29th to 30th October 2007.
24. Natural Language Processing (NLP) activity in C-DAC, Kolkata presented at the Computer lab, Special Centre for Sanskrit Studies (SCSS), Jawaharlal Nehru University, New Delhi, on 3rd July 2007.
25. Knowledgebase Language Processing using ontological Approach presented at the Computer lab, Special Centre for Sanskrit Studies (SCSS), Jawaharlal Nehru University, New Delhi, on 3rd July 2007.
26. Ontological Knowledgebase for selected verb of Sanskrit and Bangla presented for the proposal of Ph.D. synopsis at Seminar room in Special Centre for Sanskrit Studies (SCSS), Jawaharlal Nehru University, New Delhi, on 8th October 2007.
27. Introduction to WordNet: An online lexical Database for English presented in computer lab at Special Centre for Sanskrit Studies (SCSS), Jawaharlal Nehru University (JNU), New Delhi, on 3rd July 2007.
28. Introduction to Bangla WordNet: An online lexical Database for Bangla presented in Weekly seminar at Seminar room in Centre for Development of Advanced Computing (C-DAC) Kolkata, on 11th October 2007.
29. Introduction to VerbNet: An online verb lexicon for English presented in Weekly seminar at Seminar room in Centre for Development of Advanced Computing (C-DAC) Kolkata, on 25th October 2007.
30. Ontological Knowledgebase for Selected Verbs of Sanskrit and Bangla Poster presented in 4th International Sanskrit Computational Linguistics Symposium, J.N.U. New Delhi on Dec 10-12, 2010.
31. Ontological Knowledgebase for Selected Verbs of Sanskrit and Bangla Pre submission for Ph.D., presented in Special Centre for Sanskrit Studies, JNU, New Delhi 18 April, 2011.

Invited Lectures/speeches (33):

1. **"Sanskrit and Computational Linguistics"** Lecture delivered at Ambala College, Ambala on April 12, 2018.
2. **"Various Research Opportunities in Sanskrit and other Indian Languages with Computational Linguistics"** Lecture delivered at Hindu College, University of Delhi, Delhi on March 21, 2018.
3. **"Challenges in Machine Translation System"** Lecture delivered in One Day Interdisciplinary National Workshop on the "CRITIQUE OF AMBIGUITY IN SANSKRIT

SHAASTRAAS & ARTIFICIAL INTELLIGENCE /MACHINE TRANSLATION (with ref. to Navya-Nyaaya, Vyaakarana, Mimaansaa, Sahitya-Shastra,AnekaantVaad)" organized by the Department of Sanskrit & SDHDR&T Center, S. D. College (Lahore), Ambala Cantt on March 10, 2018.

4. **"Theoretical Concepts of Machine Translation"** Lecture delivered in One Day Interdisciplinary National Workshop on the "CRITIQUE OF AMBIGUITY IN SANSKRIT SHAASTRAAS & ARTIFICIAL INTELLIGENCE /MACHINE TRANSLATION (with ref. to Navya-Nyaaya, Vyaakarana, Mimaansaa, Sahitya-Shastra,AnekaantVaad)" organized by the Department of Sanskrit & SDHDR&T Center, S. D. College (Lahore), Ambala Cantt on March 10, 2018.
5. **"Indian Languages Computing with Python"** Special Lecture delivered in Faculty Development Program on Natural Language Processing (NLP) from Feb 19-23, 2018 at ABES Engineering College, Ghaziabad, 19th KM Stone, NH 24, Ghaziabad -201 009, U.P. on Feb 21, 2018.
6. **"UGC Choice Based Credit System (CBCS) Courses for Sanskrit and CL Research at DU"** Special Lecture delivered at School of Sanskrit and Indic Studies (संस्कृत एवं प्राच्यविद्या अध्ययन संस्थान), Jawaharlal Nehru University, New Delhi on Nov 16, 2017.
7. **"Computational Linguistics: A Practical and Interdisciplinary Field for Sanskrit" (संगणकीय भाषाविज्ञान संस्कृत के लिए एक व्यवहारिक एवं अंतर्विषयक क्षेत्र)** Special Lecture delivered at Department of Sanskrit, Miranda House College, University of Delhi on Sep 07, 2017.
8. **"Various Approaches of Machine Translation"** Special Lecture delivered in a workshop on "Machine Translation: Tools and Techniques" organized by the Department of Sanskrit, Lady Shri Ram College, University of Delhi on February 16, 2017.
9. **"Machine Translation: Ambiguities and Challenges"** Special Lecture delivered in a workshop on "Machine Translation: Tools and Techniques" organized by the Department of Sanskrit, Lady Shri Ram College, University of Delhi on February 16, 2017.
10. **"Machine Translation: Brief Survey (मशीनी अनुवाद: संक्षिप्त सर्वेक्षण)"** Special Lecture delivered at Lakshmibai College, University of Delhi, Delhi, Jan 25, 2017.
11. **"Machine Translation: Theoretical Concepts (मशीनी अनुवाद: सैद्धान्तिक अवधारणाएं)"** Special Lecture delivered at Lakshmibai College, University of Delhi, Delhi, Jan 25, 2017.
12. **"Innovative Teaching and Learning through Information Technology Tools in Humanities"** Lecture delivered at workshop on Innovative Teaching, Learning, Evaluation and Research in Higher Education organized by Lakshmibai College, University of Delhi, Delhi, Dec 20, 2016.
13. **"Sanskrit Text Digitalization, Preservation and Storage"** Special Lecture delivered at Department of Sanskrit, Lakshmibai College, University of Delhi, New Delhi, Delhi, November

8th, 2016.

14. **"Character Encoding, Unicode, ASCII, UTF-8, UTF-16"** Special Lecture delivered at Department of Sanskrit, Lakshmibai College, University of Delhi, New Delhi, Delhi, November 8th, 2016.
15. **"Design, Architecture: Operating System"** Special Lecture delivered at Department of Sanskrit, Lakshmibai College, University of Delhi, New Delhi, Delhi, November 8th, 2016.
16. **"Basics of Database and JavaScript"** Special Lecture delivered at Department of Sanskrit, Lakshmibai College, University of Delhi, New Delhi, Delhi, November 5th, 2016.
17. **"Brief Introduction and Practical of JavaScript"** Special Lecture delivered at Department of Sanskrit, Lakshmibai College, University of Delhi, New Delhi, Delhi, November 5th, 2016.
18. **"Brief Introduction and Practical of HTML and CSS"** Special Lecture delivered at Department of Sanskrit, Lakshmibai College, University of Delhi, New Delhi, Delhi, November 5th, 2016.
19. **"Challenges and Acceptability in Machine Translation"** Lecture delivered at National Symposium on "Machine Translation Tools and Techniques", Zakir Hussain College (M), University of Delhi, New Delhi, Delhi, November 4th, 2016.
20. **"Approaches of Machine Translation"** Lecture delivered at National Symposium on "Machine Translation Tools and Techniques", Zakir Hussain College (M), University of Delhi, New Delhi, Delhi, November 4th, 2016.
21. **"Brief Survey of Machine Translation"** Lecture delivered at National Symposium on "Machine Translation Tools and Techniques", Zakir Hussain College (M), University of Delhi, New Delhi, Delhi, November 3rd, 2016.
22. **"Evolution and Theoretical Concepts of Machine Translation"** Lecture delivered at National Symposium on "Machine Translation Tools and Techniques", Zakir Hussain College (M), University of Delhi, New Delhi, Delhi, November 3rd, 2016.
23. **"Practical Aspects of HTML & CSS"** Lecture delivered at National Workshop on Computer Awareness for Sanskrit, Zakir Hussain College (E), University of Delhi, New Delhi, Delhi, October 7th, 2016.
24. **"Computational Linguistics and CBCS Course for Sanskrit"** Lecture delivered at National Workshop on Computer Awareness for Sanskrit, Zakir Hussain College (E), University of Delhi, New Delhi, Delhi, October 3rd, 2016.
25. **"Various Research Opportunities in Computational Linguistics for Sanskrit (संस्कृत के लिये संगणकीय भाषाविज्ञान में विभिन्न अनुसंधान-अवसर)"** talk delivered at 5th National Sanskrit Journalists Conference, December 10-11, 2015, at Swaminarayan Aksharadhaam, N.H.-24, New

Dehli-110092.

26. "**आईटी के माध्यम से संस्कृत शिक्षण में नवीनता (Innovation in Teaching Sanskrit through IT)**" talk delivered at INSET Programme, Rajkiya Pratibha Vikas Vidyalaya, Sector 10 Dwarka, Dwarka, New Delhi, Delhi organized by State Council of Educational Research & Training (SCERT), Delhi, April 18th, 2015.
27. "**पारम्परिक शिक्षण से ई-शिक्षण तक: ई-शिक्षण टूल्स के माध्यम से संस्कृत शिक्षण में नवीनता (Traditional Learning to E-learning: Innovation in Teaching Sanskrit through E-learning Tools)**" talk delivered at INSET Programme, Sarvodaya Kanya Vidyalaya, Moti Bagh, New Delhi organized by State Council of Educational Research & Training (SCERT), Delhi, April 17th, 2015.
28. "**संगणकीय भाषाविज्ञान के माध्यम से संस्कृत शिक्षण में नवीनता (Innovation in Teaching Sanskrit through Computational Linguistics)**" talk delivered at INSET Programme, Sarvodaya Bal Vidyalaya, C-Block, Dilshad Garden, New Delhi organized by State Council of Educational Research & Training (SCERT), Delhi, April 15th, 2015.
29. "**Teaching Sanskrit Verb Ontology to Computers**" invited talk in the national seminar on "**Relevance of Sanskrit for science and technology**" organized by Gandhi Memorial National College, Ambala, Nov 11-14, 2011.
30. "**Workshop in Sanskrit Data Entry-Unicode Based Text Editors**" invited talk in the national seminar on "**Relevance of Sanskrit for science and technology**" organized by Gandhi Memorial National College, Ambala, Nov 11-14, 2011.
31. "**Using Sanskrit Language Tools-Sandhi and Subanta**" invited talk in the national seminar on "**Relevance of Sanskrit for science and technology**" organized by Gandhi Memorial National College, Ambala, Nov 11-14, 2011.
32. "**Project in Sanskrit E-text Development in HTML**" invited talk in the national seminar on "**Relevance of Sanskrit for science and technology**" organized by Gandhi Memorial National College, Ambala, Nov 11-14, 2011.
33. Invited as "**Expert for Hindi Language**" in the "**Workshop on Validation of Annotated Speech Data: Hindi**" organized by that the Linguistic Data Consortium for Indian Languages (LDCIL), Central Institute of Indian Languages, Mysore, India, October 12-14, 2011.

Sessions Chaired/Panel discussion/Co-ordinated (5):

1. Chaired a session entitled "Digital Access & Search of Sanskrit Texts" in the International Conference on Veda: Veda as Global Heritage: Scientific Perspectives (वेदों की वैश्विक धरोहर : वैज्ञानिक आयाम), Organized by Special Centre for Sanskrit Studies, Jawaharlal Nehru University, New Delhi during December 15-15, 2016 .
2. Co-ordinated a session in the International Conference on Veda: Veda as Global Heritage: Scientific Perspectives (वेदों की वैश्विक धरोहर : वैज्ञानिक आयाम), Organized by Special Centre for

Sanskrit Studies, Jawaharlal Nehru University, New Delhi during December 15-15, 2016 .

3. Co-ordinated a session in the National Seminar on Learning of Sanskrit Shastra's in Present University System, Organized by South Campus, University of Delhi, Delhi during March 11-12, 2016 .
4. Co-ordinated a session in the Twenty Second International Congress of Vedanta(22Vedanta), , Special Center for Sanskrit Studies, Jawaharlal Nehru University, New Delhi During, Dec 27-30, 2015.
5. Co-ordinated a session in the National Seminar on Vedic Chronology *Organized by Department of Sanskrit, University of Delhi, Delhi, during September 26-28, 2015.*

New Course/Curriculum Development (18)

1. **Sanskrit Meter and Music** for BA Programme (Sanskrit) under Choice Based Credit System (CBCS) Scheme of UGC, New Delhi.
2. **Basics of Sanskrit Linguistics** for BA Programme (Sanskrit) under Choice Based Credit System (CBCS) Scheme of UGC, New Delhi.
3. **Basic Elements of Ayurveda** for BA Programme (Sanskrit) under Choice Based Credit System (CBCS) Scheme of UGC, New Delhi.
4. **Computer Awareness for Sanskrit** for BA Programme (Sanskrit) under Choice Based Credit System (CBCS) Scheme of UGC, New Delhi.
5. **E-Learning Tools and Techniques for Sanskrit** for BA Programme (Sanskrit) under Choice Based Credit System (CBCS) Scheme of UGC, New Delhi.
6. **Sanskrit Grammar** for BA Programme (Sanskrit) under Choice Based Credit System (CBCS) Scheme of UGC, New Delhi.
7. **Tools and Techniques for Computing Sanskrit Language** for BA Hon. (Sanskrit) under Choice Based Credit System (CBCS) Scheme of UGC, New Delhi.
8. **Sanskrit Linguistics** for BA Hon. (Sanskrit) under Choice Based Credit System (CBCS) Scheme of UGC, New Delhi.
9. **Computational Linguistics for Sanskrit** for BA Hon. (Sanskrit) under Choice Based Credit System (CBCS) Scheme of UGC, New Delhi.
10. **Fundamentals of Ayurveda** for BA Hon. (Sanskrit) under Choice Based Credit System (CBCS) Scheme of UGC, New Delhi.
11. **Sanskrit and Other Modern Indian Languages** for BA Hon. (Sanskrit) under Choice Based Credit System (CBCS) Scheme of UGC, New Delhi.
12. **Basic Principles of Indian Medicine System (Ayurveda)** for BA Hon. (Sanskrit) under Choice

Based Credit System (CBCS) Scheme of UGC, New Delhi.

13. **Computer Applications for Sanskrit** for BA Hon. (Sanskrit) under Choice Based Credit System (CBCS) Scheme of UGC, New Delhi.
14. **Machine Translation: Tools and Techniques** for BA Hon. (Sanskrit) under Choice Based Credit System (CBCS) Scheme of UGC, New Delhi.
15. **Sanskrit Meters and Music** for BA Hon. (Sanskrit) under Choice Based Credit System (CBCS) Scheme of UGC, New Delhi.
16. **Sanskrit Grammar** for BA Hon. (Sanskrit) under Choice Based Credit System (CBCS) Scheme of UGC, New Delhi.
17. **Research Methodology (अनुसंधान पद्धति)** for Ph.D. (Sanskrit) Course work as per new Guidelines.
18. **Introduction of Sanskrit and Survey of Related Researches (संस्कृत-शास्त्रों का सामान्य परिचय एवं सम्बद्ध अनुसंधान का सर्वेक्षण)** for Ph.D. (Sanskrit) Course work as per new Guidelines.

Training (4)

1. **22 Days Refresher Programme in Arab Islamic Culture** at UGC-HRDC, Jamia Millia Islamia University of Delhi, Delhi, 27th Feb to 20th Mar 2017.
2. **28 Days Orientation Programme** at CPDHE, University of Delhi, Delhi, 17th Nov to 15th Dec 2015.
3. **One week training by Kelvin Chan, Program Manager, Microsoft Tablet PCs** Microsoft corporations One Microsoft way, Redmond WA, for the project **Devanagari handwriting recognition for Tablet PCs** as **Research assistant** on the VISTA Operating system testing version at Microsoft Corporation Pvt. Ltd. 9th Floor, Tower A DLF Cyber Greens DLF Cyber City, Sector 25A, Gurgaon-122002.
4. **One week training by Navjyoti Singh, for Vasheshika Formal Ontology** from 24th May to 30th May 2007 at Asiatic Society, Park Street, Kolkata.

Website Development (4)

1. Website for online Sanskrit tools, Department of Sanskrit, University of Delhi: Under Development.
2. Departmental website of the Department of Slavonic and Finno-Ugrian Studies, University of Delhi: <http://sfus.du.ac.in>. in 2018.
3. Departmental website of the department of Hindi, University of Delhi: <http://hindi.du.ac.in>. in 2018.
4. Departmental website of the department of Punjabi, University of Delhi: <http://punjabi.du.ac.in>.

in 2018.

5. Departmental website of the department of Sanskrit, University of Delhi:
<http://sanskrit.du.ac.in>. in 2014.

1. **Development of E-resource and E-Learning Tools for Sanskrit Course under Choice Based Credit System (CBCS) of University of Delhi: In Case of BA (Hon.) Core-12 Grammar Laghusiddhantakaumudi** Principal Investigator, Department of Sanskrit, University of Delhi, Submitted to Research and Development Grant, University of Delhi for 2015-16.
2. **Development of Web Based Expert System for Sanskrit Grammar for E-Learning: In Case of Subanta Prakarana based on Laghusiddhantkaumudi.** Principal Investigator, Department of Sanskrit, University of Delhi, funded by Research and Development Grant, University of Delhi, Oct, 2014 to Sept, 2015.
3. **Analysis of Verb Semantics of Bangla** as Principal Investigator, funded by Centre for Development of Advanced Computing (CDAC), Kolkata at CDAC, Kolkata from April 1st, 2010 to March 31st, 2011.
4. **Speech to Speech MAT based Dialog System for Hindi to Indian Languages.** For this project I am playing role to developing story in Hindi speech data. Helping to developing Transliteration module for Hindi and Bangla.
5. **Development of Bangla Language Analyzer** as Scientific Officer, funded by Centre for Development of Advanced Computing (CDAC), Kolkata at CDAC, Kolkata from April 1st, 2011 to March 31st, 2012.
6. **Development of English to Indian Language Machine Translation System based on AnglaBharati Technology (Phase-II)** as Scientific Officer at Centre for Development of Advanced Computing (CDAC), Kolkata funded by Department of Information Technology, Ministry of Communications and Information Technology, Government of India from April 115th, 2011 to May 14th, 2014.
7. **Analysis of Verb Semantics of Bangla** as Principal Investigator, funded by Centre for Development of Advanced Computing (CDAC), Kolkata at CDAC, Kolkata from April 1st, 2010 to March 31st, 2011.
8. **English to Indian Languages Machine Aided Translation System Health and Tourism Domain based on the AnglaBharati Approach** as Scientific Officer at Centre for Development of Advanced Computing (CDAC), Kolkata funded by Department of Information Technology, Ministry of Communications and Information Technology, Government of India from Jan 12, 2007 to March 31, 2010.
9. **Devanagari handwriting recognition for Tablet PCs** as Research Assistant at Microsoft Corporation Pvt. Ltd. 9th Floor, Tower A DLF Cyber Greens DLF Cyber City, Sector 25A, Gurgaon-122002 funded by Microsoft Corporation Pvt. Ltd. from Jan 1 2005 to June 31 2010.

10. **Online Multilingual Amarakosha (OMA)** as Research Assistant, funded UPOE, UGC at Special Centre for Sanskrit Studies, Jawaharlal Nehru University, New Delhi-110067.
11. Course Project **Sanskrit samaasa generation in Paninian formulation** at Special Centre for Sanskrit Studies, Jawaharlal Nehru University, New Delhi-110067
12. Course Project **E-learning 9th and 10th Sanskrit text according to CBSE pattern** at Special Centre for Sanskrit Studies, Jawaharlal Nehru University, New Delhi-110067.

Awards and Distinctions (13):

1. **Best Poster Presentation Award** for the paper entitled Detection, Analysis and Word Formation Process of Sanskrit Morphology: A Hybrid Approach at Twenty Second International Congress of Vedanta (22Vedanta), Special Center for Sanskrit Studies, Jawaharlal Nehru University, New Delhi During, Dec 27-30, 2015.
2. **UGC NET** cleared in June 2004, December 2004 and June 2005.
3. **First prize in Inter College Quiz** from Hansraj College University of Delhi on 5th December 2002.
4. **Second prize in Inter College Quiz** from Janaki Devi Memorial College for Women University of Delhi on 19th December 2002.
5. **First prize in Inter College Quiz** from Indraprasth College for Women University of Delhi on 4th December 2003.
6. **Second prize in Inter College Quiz** from Hansraj College University of Delhi on 5th December 2003.
7. **Second prize in Inter College Quiz** from Janaki Devi Memorial College for Women University of Delhi on 11th December 2003.
8. **Third prize in Inter College Quiz** from Kirorimal College, University of Delhi on 18th December 2003.
9. **First prize in Inter College Quiz** from Hindu College University of Delhi on 11th February 2004.
10. **Sanskrit Pratibha Purashkar** from Delhi Sanskrit Academy in 2004.
11. **Sanskrit Pratibha Purashkar** from Delhi Sanskrit Academy in 2003.
12. **One year Means-cum-Merits Scholarship** from **Jawaharlal Nehru University**, New Delhi-110067 from July 2005 to July 2006.
13. **One year Means-cum-Merits Scholarship** from **Jawaharlal Nehru University**, New Delhi-110067 from July 2006 to July 2007.

Association With Professional Bodies

1. Editing (5):

1. Nominated for the **Member of Editorial Team** for the International Journal of Applied Linguistics & English Literature from 13 Sep 2012.
2. Nominated for the **Member of Review Committee** for the 4th International Online Language Conference (IOLC 2011) organized by International Online Knowledge Service Provider (IOKSP), September 3 & 4, 2011 from 23 Feb 2011.
3. Nominated for the **Member of Review Committee** for the International Journal of Computer Assisted Language Learning from Feb 2012.
4. Nominated as **Associate Editor** for The Linguistics Journal from 25 Feb 2011.
5. Nominated for the **Member of Editorial Board** in Academy Publisher for their Journal of Language Teaching and Research (JLTR), Oulu, Finland, from 27 Feb 2011.

2. Reviewing (2)

1. Nominated for the **Member of Review Committee** for the 4th International Online Language Conference (IOLC 2011) organized by International Online Knowledge Service Provider (IOKSP), September 3 & 4, 2011 from 23 Feb 2011.
2. Nominated for the **Member of Review Committee** for the International Journal of Computer Assisted Language Learning from Feb 2012.

3. Advisory

Committees and Boards (09):

1. Nominated for the **Member of Program Committee** for the 1st International Conference on Sanskrit and Other Indian Languages Technology (SOIL-Tech) organized by School of Sanskrit and Indic Studies, JNU and Bhartiya Bhasha Manch and MGAHU, Wardha, Oct 11-13, 2018, JNU, New Delhi.
2. Nominated for the **Member of Program Committee** for the 4th Workshop on Indian Language Data: Resources and Evaluation organized by School of Sanskrit and Indic Studies, JNU and Microsoft Research India Lab under Language Resources and Evaluation Conference (LREC-2018) May 7-12, 2018, Miyazaki (Japan).
3. Nominated for the **Member of Program Committee** for the Workshop on Language Technology for Less Resourced Languages (LT-LRL) 2017 organized by School of Sanskrit and Indic Studies, JNU under 8th Language & Technology Conference 2017, November 17-19, 2017 (LREC-2018) Poznań, Poland.
4. Nominated for the **Member of Program Committee** for the International Veda Conference on Veda as Global Heritage: Scientific Perspectives (LT-LRL) 2017 organized by School of Sanskrit and Indic Studies, JNU, December 15-18, 2016, JNU, New Delhi.
5. Nominated as Member of Program Committee for 12th International & 20th India

Conference of WAVES, Scientific Aspects of Vedic Knowledge (वैदिकज्ञान के वैज्ञानिक पक्ष), Jawaharlal Nehru University (JNU), 15th (Thursday) – 18th (Sunday), December, 2016.

6. Nominated as Member of Program Committee for 3rd Workshop on Indian Language Data: Resources and Evaluation (WILDRE), The Grand Hotel Bernardin Conference Center, Portorož (Slovenia) During, May 24, 2016.
7. Nominated as Member of Program Committee for Twenty Second International Congress of Vedanta (22Vedanta), Special Center for Sanskrit Studies, Jawaharlal Nehru University, New Delhi During, Dec 27-30, 2015.
8. Nominated as **Member of Program Committee** for First Workshop on Language Technology for Indian Social Media Text with 11th International Conference on Natural Language Processing (ICON-2014), Goa University, Goa, India, 18-20 December, 2014.
9. Nominated as Member of Program Committee for regICON-2015: Regional Symposium on Natural Language Processing with the NLP Association of India, IIT (BHU), Varanasi, India, March 21-22, 2015.

10. *Memberships*

11. *Office Bearer*

Other Activities (3)

1. **Observer** in the "4th International Sanskrit Computational Linguistics Symposium (4i-SCLS)" at Special Center for Sanskrit Studies, Jawaharlal Nehru University, New Delhi December 10-12, 2010.
2. **Translation Work** Translated from English to Hindi of the official website of Centre for Development of Advanced Computing (C-DAC), Kolkata.
3. **Session Coordinator** in the Twentieth International Congress of Vedanta (20th Vedanta), Special Center for Sanskrit Studies & Center for Philosophy, Jawaharlal Nehru University, New Delhi in the Session 14B: Applied Vedanta (Yoga, Ayurveda and Music) on 30/12/2011.
4. **Co-ordinated a session** in the National Seminar on Learning of Sanskrit Shastra's in Present University System, Organized by South Campus, University of Delhi, Delhi during March 11-12, 2016.
5. **Co-ordinated a session** in the Twenty Second International Congress of Vedanta(22Vedanta), , Special Center for Sanskrit Studies, Jawaharlal Nehru University, New Delhi During, Dec 27-30, 2015.
6. **Co-ordinated a session** in the National Seminar on Vedic Chronology Organized by Department of Sanskrit, University of Delhi, Delhi, during September 26-28, 2015.