

## DR. DEVENDRA SINGH RAJPUT

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Web pages link: <https://sites.google.com/db.du.ac.in/drdevendrasinghrajput/home>  
& <http://sanskrit.jnu.ac.in/rstudents/devendra.pdf>

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## *Curriculum Vitae*

### Education

**Ph. D** : 2018, Jawaharlal Nehru University, New Delhi.  
(Sanskrit Computational Linguistics)

**M. Phil.** : 2013, Jawaharlal Nehru University, New Delhi.  
(Sanskrit Computational Linguistics)

**M.A.** : 2011, Jawaharlal Nehru University, New Delhi.

**B.A.** : 2009, Hindu College, University of Delhi.

**Certificate in** : 2008, Hindu College, University of Delhi.

### **Spanish Language**

Qualified **UGC-NET-JRF** (December, 2010)

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### Research Profile

**Ph.D.** (2018) from School of Sanskrit and Indic Studies, Jawaharlal Nehru University (JNU), New Delhi in Computational Sanskrit, titled “*Creating an Online Catalogue System for Science and Technology Manuscripts of Sanskrit: Issues and Challenges*” under supervision of **Prof. Girish Nath Jha** (JNU) & co-supervision of **Prof. Ravikesh** (JNU). The key objective

of this Research and Development (R&D) is to develop an online catalogue system for Sanskrit manuscripts related to scientific and technological areas. This R&D deals with the issues and challenges in the design of an online catalogue system. An online database system with an interactive search engine based on access to these manuscripts has developed under this R&D. The research also identifies and discusses important methodological issues related to manuscriptology, digital library, search engines etc. emerging from the research. The major outcome of this R&D is to provide a platform to ancient Indian scientific heritage and create a multi-dimensional search engine for it. An online catalogue for S&T Mss of Sanskrit has been developed with a dynamic web application (search engine) cum-indexer. This system provides online access to Sanskrit manuscripts of Science & Technology domain along with multi-dimensional knowledge-based search engine. The system is available on following the link: <http://sanskrit.jnu.ac.in/omac/index.jsp> with input and output in Devanāgarī Unicode.

**M.Phil.** (2013) from Special Centre for Sanskrit Studies, Jawaharlal Nehru University (JNU), New Delhi in Computational Sanskrit, titled “*Multimedia E-book of Śrīmadbhagavadgītā: with Special Reference to Chapter 1*” with 7.5 CGPA out of 9 (80%). Under this R&D a multimedia based dynamic web application cum-indexer and multidimensional search engine for Śrīmadbhagavadgītā (SBG) has been developed which is available at <http://sanskrit.jnu.ac.in/sbg/index.jsp>. It provides searching for the text SBG by *Adhyāya* (chapter), *śloka* (verse), numerical order of verse and search by any word (string), meaning. This system provides very useful grammatical information by the linguistic point of view. System provides POS tagging information that is important for NLP and MT.

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## **Areas of Research Interest/Specialization**

### **Specialization:**

- ✚ Computational Sanskrit & Computational Linguistics
- ✚ Multimedia Technology for Sanskrit Heritage Texts
- ✚ Manuscriptology or Digital Manuscriptology
- ✚ Science and Technology in Sanskrit Texts
- ✚ E-learning and E-corpora

### **Areas of Interest:**

- ✚ Indian Philosophy

- ✚ Building Indian theory of knowledge and Computational Sanskrit
  - ✚ Texts of Indian Intellectual Tradition - Sanskrit literature, Poetry and Aesthetics.
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### **Career Profile**

- ❖ Currently teaching as an Assistant Professor in the Department of Sanskrit, School of Humanities and Social Sciences, **Central University of Haryana**, Mahendergarh, Haryana, since 9<sup>th</sup> March 2022.
  - ❖ Taught as an Assistant Professor in the Department of Sanskrit, **Deshbandhu College, University of Delhi** 8<sup>th</sup> August 2017 to 8<sup>th</sup> March 2022.
  - ❖ Taught as a guest faculty in the Department of Sanskrit, **Shivaji College, University of Delhi** from 14<sup>th</sup> January 2016 to 19<sup>th</sup> April 2016 and 5<sup>th</sup> January 2017 to 27<sup>th</sup> April 2017.
  - ❖ Taught as a guest faculty in the Department of Sanskrit, **Motilal Nehru College (Morning), University of Delhi** from 19<sup>th</sup> September 2016 to 11<sup>th</sup> November 2016.
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### **Academic Assignments**

- ❖ Member, IQAC, Deshbandhu College, University of Delhi since 2018 to 2022.
  - ❖ Member, “Nadi Ko Jaano” campaign launched by Ministry of Education, Deshbandhu College, University of Delhi since November 2021 to March 2022.
  - ❖ Member, Website Committee, Deshbandhu College, University of Delhi since 2018 to 2022.
  - ❖ Member, Discipline Committee, Deshbandhu College, University of Delhi since 2018 to 2021.
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### **Awards and Distinctions**

- ❖ *Senior Research Fellowship (SRF)* by UGC, since July 2013- July 2016.
  - ❖ *Junior Research Fellowship (JRF)* by UGC, since July 2011-June 2013.
  - ❖ ‘*Sanskrit Pratibha Puruskar*’ (two times) honored by Delhi Sanskrit Academy.
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## Publications Profile

### Book [01]

- ✚ Rajput, Devendra Singh (2015), *Multimedia Technology for Sanskrit Heritage Texts: A case of Śrīmadbhagavadgītā* by Lambert Academic Publishing (LAP), LAP GmbH & Co. KG Heinrich Bocking-str. 6-8, 66121 Saarbrücken, Germany, ISBN: 978-3-659-66415-1, 2015.

### Research Papers [05]

- ✚ अद्वैत-वेदान्त व आधुनिक विज्ञान के परिप्रेक्ष्य में चेतन-तत्त्व सम्बन्धी विचारों का तुलनात्मक विवेचन, published in the *Jyotirveda-Prasthanam*, An UGC care listed and a peer reviewed referred journal, ISSN – 2278-0327, Issue – January-February 2022, Pg. No. 06-10.
  - ✚ *Multimedia and E-Learning-Based Presentation of Sanskrit Heritage Texts: The Case of Śrīmadbhagavadgītā*, published in the book *Vedānta Science and Technology: A Multidimensional Approach* (proceeding of the 22<sup>nd</sup> International Vedanta Congress), ISBN 978-81-246-0947-7 (Hb), Page No. 685, D.K. Printworld (P) Ltd, New Delhi, 2020.
  - ✚ *Preservation of Science and Technology Manuscripts of Sanskrit: A Technology Based Approach*, published in the book *Vedānta Science and Technology: A Multidimensional Approach* (proceeding of the 22<sup>nd</sup> International Vedanta Congress), ISBN 978-81-246-0947-7 (Hb), Page No. 697, D.K. Printworld (P) Ltd, New Delhi, 2020.
  - ✚ *Preservation of Ancient Indian Heritage Texts: An e Learning based Approach*, Published in International Refereed Online Research Journal, Grip-The Standard Research, ISSN-2278-8123, Issue XXIX, November 2014.
  - ✚ आधुनिक विज्ञान, ताओ दर्शन एवं अद्वैत वेदान्त में *Supreme Will एवं Free Will* की अवधारणा, Published in Shodha-Prabha, A Referred Quarterly Research Journal, Shri Lal Bahadur Shastri Rashtriya Sanskrit Vidyapeeth, New Delhi, UGC Journal No. 40960, ISSN-0974-8946, Issue: January 2018.
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## Research Papers Presentation: [06]

### International Conferences: [04]

- ✚ **Digital Access for Scientific Heritage of Ancient India**, in International Veda Conference on “*Veda as Global Heritage: Scientific Perspectives*”, Organized by Special Centre for Sanskrit Studies, Jawaharlal Nehru University at New Delhi from 15-18 December 2016.
- ✚ **Multimedia and E-learning Based Presentation of Sanskrit Heritage Texts: The case of Śrīmadbhagavadgītā**, in *22nd International Congress of Vedanta*, Organized by SCSS, JNU, New Delhi, Institute of Advanced Sciences, Dartmouth, USA, Center for Indic Studies, University of Massachusetts, Dartmouth, USA, held at Special Centre for Sanskrit Studies, Jawaharlal Nehru University, New Delhi from 27-30 December 2015.
- ✚ **Preservation of Science and Technology Manuscripts of Sanskrit: A Technology Based Approach**, in *22nd International Congress of Vedanta*, Organized by SCSS, JNU, New Delhi, Institute of Advanced Sciences, Dartmouth, USA, Center for Indic Studies, University of Massachusetts, Dartmouth, USA, held at Special Centre for Sanskrit Studies, Jawaharlal Nehru University, New Delhi from 27-30 December 2015.
- ✚ **अद्वैत वेदान्त व आधुनिक विज्ञान में चेतना का स्वरूप**, in *Science of Consciousness, Psychotherapy and Yoga Praxis: Ancient and Modern Perspective of 6th International Conference of World Council for Psychotherapy (Asian Chapter) 5th International Conference of Yoga & Psychotherapy Association of India*, held at Special Centre for Sanskrit Studies, Jawaharlal Nehru University, New Delhi from 24-26 September 2012.

### National Conferences/Seminars: [02]

- ✚ **वेदों में प्रकृति-देववाद: पर्यावरण संरक्षण की एक तकनीकी**, in a National Seminar on Veda's held on 2-3 Sept. 2012 By Delhi Sanskrit Academy & Jawaharlal Nehru University, New Delhi.
- ✚ **अद्वैत वेदान्त एवं प्रत्यभिज्ञा दर्शन में प्रमाता का स्वरूप**, in a National Seminar on Defining Knowledge and Knowledge Systems: Past, Present & Future, held on March 12-13, 2012 at Sanatan Dharma College (Lahore) Ambala Cantt.

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## Workshop/Seminar/Conference Attended: [14]

- ✚ National Workshop on “*Digitization and Development of e-resources for Sanskrit*”, jointly organized by SSIS, JNU & Dept. of Sanskrit, University of Delhi, New Delhi, May 27 – June 2, 2020.
- ✚ International Conference on “*Human Rights: National and International Issues and Challenges*” organized by Shaikshik Foundation in association with Deshbandhu College, Delhi University on 22-23 February, 2020 at Dr. Ambedkar International Centre, New Delhi.

- ✚ Participated in workshop organized by CSR Research Foundation on "**Women Healthcare, Hygiene, Gender Sensitivity and Women Empowerment**" under "Mission AAA"-Awareness availability and Affordability of Sanitary Napkins supported by Bharat Petroleum Corporation Limited (BPCL) in association with Deshbandhu College, University of Delhi on 08-01-2020 at Deshbandhu College.
- ✚ International Conference on '**Bhartiya Women: Past, Present and Future**', organized by Shaikshik Foundation, Deshbandhu College (DU) and Chaudhary Bansi Lal University, Harayana, NDMC Convention Centre, New Delhi, 23-24 February 2019.
- ✚ **SOIL-Tech: Towards Digital India**, organized by School of Sanskrit and Indic Studies, Jawaharlal Nehru University, New Delhi, 15-17 February, 2019.
- ✚ National Seminar on '**Shri Ram Janmbhoomi Movement and National Resurgence**' organized by Arundhati Vashishtha Anusandhan Peeth, February 9<sup>th</sup>, 2019 in Delhi.
- ✚ **Member organizing committee**, International Conference on **Physics, Society and Technology (ICPST - 2019)**, organized by Dept. of Physics & IQAC, Deshbandhu College, University of Delhi, January 17-19, 2019.
- ✚ "**Workshop on Science & Technology in Sanskrit**" organized by Special centre for Sanskrit Studies, JNU, New Delhi in collaboration with the institute of Advanced Sciences, Dartmouth, MA, USA, from March 10<sup>th</sup> to 12<sup>th</sup> 2014.
- ✚ "**3<sup>rd</sup> Workshop on Sharda Script Learning**" organized by Special centre for Sanskrit Studies, JNU, New Delhi and Millennium India Education Foundation, New Delhi during 12-13 September 2014 at SCSS, JNU, New Delhi .
- ✚ "**Computational Sanskrit- Issues & Challenges**" Two days National Inter-disciplinary seminar cum workshop, (I represent JNU as trainer to participants in Parsing and Tagging techniques), held on December 20-21, 2013 at Sanatan Dharma College (Lahore) Ambala Cantt.
- ✚ "**Workshop on Manuscriptology and Preservation of Manuscripts**", organized by at Special Centre for Sanskrit Studies, JNU, New Delhi from 21.03.2013 to 25.03.2013.
- ✚ "**Workshop on Manuscriptology and Preservation of Manuscripts & Mithilakshara Script Part-I**", organized by at Special Centre for Sanskrit Studies, JNU, New Delhi from 18.03.2013 to 22.03.2013.
- ✚ Workshop on "**Indian language Technology and English –Urdu Machine Translation**" by Special Centre for Sanskrit Studies, Jawaharlal Nehru University, New Delhi & Microsoft Research (Machine Translation Group) , USA, July 26-27 2012.
- ✚ "**20<sup>th</sup> International Congress of Vedanta**", organized by Special Centre for Sanskrit Studies & Centre for Philosophy, JNU, New Delhi, December 28-31, 2011.

## Invited Lectures/Talks: [07]

- ✚ “*Computational Linguistics*”, in the Add on course on “Linguistics” (30 Hours) organized by Janki Devi Memorial College, University of Delhi, 10<sup>th</sup> February 2022.
- ✚ “*Computational Tools and Techniques for Sanskrit Language*”, in the Add on course on “Linguistics” (30 Hours) organized by Janki Devi Memorial College, University of Delhi, 11<sup>th</sup> February 2022.
- ✚ “*Text Digitization and Search*”, in the “*Training Program on Computational Sanskrit and Linguistics*”, organized by Gandhi Memorial National College, Ambala Cantt, 25 June, 2021 - 09 July, 2021.
- ✚ “*Text Digitization and Search for Sanskrit*”, in the Online National Level Certificate Course on *Computational Resources and Application for Sanskrit*, organized Kamala Nehru College, University of Delhi, March 15 – 30, 2021.
- ✚ “*Text Digitization and Search for Sanskrit - Vedas, Epics, Ayurveda, Koshas and S&T Manuscripts*” in the National Workshop on *Digitization and Development of e-resources for Sanskrit*, jointly organized by SSIS, JNU & Dept. of Sanskrit, University of Delhi, New Delhi, May 27 – June 2, 2020.
- ✚ “*Multimedia and E-learning for Sanskrit*” in the workshop on *Computer for Sanskrit* in Zakir Hussain College (Evening), University of Delhi, New Delhi on 3-8 October, 2016.
- ✚ “*E-learning for Sanskrit*” in the *National Seminar on ‘Sanskrit and Computer’* in PGDAV (Evening) College, University of Delhi, in collaboration with Ministry of Electronics and Information Technology at New Delhi on March 31, 2017.

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## Invited as Judge: [01]

- ✚ Invited as a *jury member* in inter college Sanskrit competition organized by Sanskrit Department society **Nishreyash**, Shivaji college, University of Delhi, Delhi on March, 27<sup>th</sup>, 2019.

## Faculty Development Programs (FDP): [04]

- ✚ “भारतीय भाषाएँ: दशा व दिशा”, organized by Deshbandhu College, University of Delhi in collaboration with Mahatma Hansraj Faculty Development Centre, Hansraj College, University of Delhi under PMMMNMTT, 26 October - 1 November 2021.
- ✚ “*Emerging Accessible Technologies for Teachers in Higher Education*”, organized by GADTLC Learning Centre of MHRD under PMMMNMTT and Maitreyi College, University of Delhi, 20 March - 3 April 2021.
- ✚ “*Development and Delivery of MOOCs and E-Content*”, organized by Central University of Haryana and Deshbandhu College, University of Delhi, 26 June, 2020 - 1 July, 2020.
- ✚ “*Managing Online Classes and Co-Creating MOOCs: 2.0*”, organized by Ramanujan College, University of Delhi (sponsored by PMMMNMTT, MHRD), 18 May - 3 June, 2020.

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### Linguistic Skills

Mother tongue:	Rajasthani
Advanced:	Hindi, Sanskrit and English.

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### Technical Proficiency

Programming languages	:	Java, JSP, C++, Prolog, Python (basic)
Scripting language	:	HTML, Java Script, XML
Database systems	:	MS SQL Server, MySql
Operating Systems	:	Linux, Microsoft Windows