

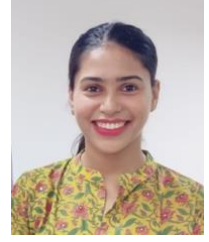
AROOSHI NIGAM

Research Scholar

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EDUCATION

- **Doctor of Philosophy (PhD)**
(Pursuing) since January 2023 at the Department of Sanskrit, University of Delhi.
Area of Specialization: Sanskrit Computational Linguistics and Dharmaśāstras.
Title of Thesis: Development of a Knowledge Extraction System for the Concepts Appertained in Prominent Dharmaśāstric Texts.
- **Master of Philosophy (M.Phil)**
Jan 2021- October 2022, Department of Sanskrit, University of Delhi.
Area of Specialization: Sanskrit Computational Linguistics and Dharmaśāstras.
Title of Dissertation: Development of Concept Mining and Online Indexing System for Manusmṛiti.
- **Master of Arts (Sanskrit)**
Department of Sanskrit, Lady Shriram College, University of Delhi, 2017-2019.
- **Under graduation (Honours in Sanskrit)**
Department of Sanskrit, Lady Shriram College, University of Delhi, 2013-2017.

AREAS OF INTEREST

- Computational Linguistics
- Online lexicography, Information Extraction, Data Mining, Online Indexing.
- Indian Knowledge Tradition
- Dharmaśāstras,
- ancient theological Studies,
- Social Institutions and Ancient Indian Polity.

COMPETENCIES

- Research implementation
- Data collection and organisation
- Training and mentoring
- Microsoft Office proficiency
- Team Building
- Report generation
- Documentation expertise

LANGUAGES KNOWN

Hindi (Native, Professional Fluency and Academic Proficiency)

English (Professional Fluency and Academic Proficiency)

Sanskrit

PUBLICATIONS (14)

1. **Arooshi Nigam** and Subhash Chandra. (2024). Dharmaśāstra Informatics: Concept Mining System for Socio-Cultural Facet in Ancient India. In Girish Nath Jha, Sobha L, Kalika Bali and Atul Kr. Ojha (Eds.), *Proceedings of the 7th Workshop on Indian Language Data: Resources and Evaluation (WILDRE-7 2024)*, *LREC 2024 Workshop Language Resources and Evaluation Conference 20-25 May 2024*, Lingotto Congress Centre, Torino (Italy), (pp. 30-39).
2. **Arooshi Nigam** and Subhash Chandra. (2024). Political Perspectives: Indexing and Concept Mining for Governance Discourse in Kautilya's Arthashastra" In Prof G C Pant, Dr. D M Tripathi, Dr. J Ara (Eds.), *Prachin Bhartiya Rajshastra ki vartman Rajniti Mein Prasangikta*. India, New Delhi, Jamia Millia Islamia University. ISBN: (TBA), (pp. 256-266).
3. Kirti Devanshi Tripathi, **Arooshi Nigam**, Suchitra Bharti, Avadhesh Pratap Singh and Chandra Subhash. (2023). भरतनाट्यशास्त्र के लिए सूचना प्रणाली का विकास. ज्ञान गरिमा सिंधु, Vol. 80, October-December-2023, ISSN 2311-0443, pp.-109-115. UGC-CARE LISTED.: <https://cstt.education.gov.in/sites/default/files/ggs-80.pdf>. UGC-CARE LISTED.
4. **Arooshi Nigam** and Subhash Chandra. (2023). Digital Evolution of Dharmshastric knowledge: implications for quality education" in Prof K P Sinha Mahapatra, Dr. B Sutradhar, Dr. Samir Kumar Jalal, Dr. Samrat Guha Roy, Dr. Anirban Mukherjee (Eds.), *Digital Libraries: Sustainable Development in Education*. India, Kharagpur, Indian Institute of Technology. ISBN: 978-81-92096-87-2, (pp. 208-220).
5. Chandra Subhash, Kumar Golden and **Nigam, Arooshi** and. (2023). नारदस्मृति एवं वित्तीय प्रबन्धन: प्राचीन भारतीय वित्तप्रबन्धन विधियों का उद्घाटन. Gyan Garima Sindhu, CSTT, Ministry of Education, GoI, Volume 79, ISSN 2321-0443, (pp. 294-300), <https://cstt.education.gov.in/gyan-garima-sindhu>.
6. **Arooshi Nigam** and Subhash Chandra. (2022). धर्मशास्त्रीय अवधारणाओं के शोधकार्यों का सर्वेक्षण. Gyan Garima Sindhu, CSTT, Ministry of Education, GoI, Volume 75, ISSN 2321-0443, (pp.58-68), <https://cstt.education.gov.in/gyan-garima-sindhu>.
7. **Arooshi Nigam** and Subhash Chandra. (2022). **Digital World of Dharmaśāstric Knowledge Tradition: An Instant Information Retrieval System for Manusmṛiti**. GIS SCIENCE JOURNAL, Vol. 9, No. 8: 2022, ISSN 1869-9391, pp.- 241-249. URL: <http://www.gisscience.net/VOLUME-9-ISSUE-8-2022>, UGC-CARE LISTED & SCOPUS: <https://www.scopus.com/sourceid/21100364441>.
8. **Arooshi Nigam** and Subhash Chandra. (2022). **Designing an Effective Digital Learning Framework for Learning Dharmaśāstric Knowledge Tradition in India**. Journal of Xi'an University of Architecture & Technology, Vol. 14, No. 7: July 2022, ISSN 1006-7930, pp.- 609-617. URL: <https://app.box.com/s/tukvvk2gzj21qolvcdp647g9qkaeswfz>. Impact Factor: 4.9 DOI: <https://doi.org/10.37896/JXAT14.07/315462>, UGC-CARE LISTED & SCOPUS: <https://www.scopus.com/sourceid/37099>.
9. **Arooshi Nigam** and Subhash Chandra. (2022). **Environmental Awareness and Protection in Ancient Bharat based on Dharmaśāstric Literature**. Zeichen Journal, Volume 8 Issue 3, ISSN 0932-4747, pp.- 354-366. URL: <http://www.ezeichen.com/gallery/2480.pdf>, UGC-CARE LISTED & SCOPUS.
10. **Arooshi Nigam** and Subhash Chandra. (2022). मनुस्मृति में मानवीय स्वास्थ्य चिन्तन एवं प्रबन्धन. Shodhsamhita: Journal of Fundamental & Comparative Research, Vol. VIII, No. 1(X): 2022, ISSN 2277-7067, pp.-50-56. UGC-CARE LISTED.

11. **Arooshi Nigam** and Subhash Chandra. (2022). **Digitization and Instant Reference System for Dharmaśāstric Knowledge Tradition**. Language in India, ISSN 1930-2940, Volume 22:02, pp.-66-72. URL: <http://languageinindia.com/feb2022/arooshidigitizationdharmatextsfinal.pdf>.
12. **Arooshi Nigam** and Subhash Chandra. (2022). **Digital Accessibility and Information Mining of Dharmaśāstric Knowledge Traditions**. In Proceedings of the 6th workshop on Indian Language Data: Resources and Evaluation (WILDRE-6 2022), Girish Nath Jha, Sobha L, Kalika Bali and Atul Kr. Ojha (Eds.), LREC 2022 Workshop Language Resources and Evaluation Conference 20-25 June 2022, Marseille, France: European Language Resources Association (ELRA), ISBN: 979- 10-95546-87-0, (pp.42-47).
13. **Arooshi Nigam** and Subhash Chandra. (2022). Abstract: **Perspective of Dharmaśāstras in Scientific World** in ISC on Sanskrit studies across the world, Department of Sanskrit, Maitrayi College, University of Delhi, New Delhi.
14. **Arooshi Nigam** and Subhash Chandra. (2021). धर्मशास्त्रीय ज्ञान परम्परा का डिजिटलीकरण एवं ऑनलाइन खोज तन्त्र का विकास. Research Review International Journal of Multidisciplinary (RRIJM), 2455:3085 (Online), Volume 06, Issue 08, August 2021, pp.53-58. Impact Factor: 5.214., UGC Listed: UGC Journal No. 44945. DOI: <https://doi.org/10.31305/rrijm.2021.v06.i08.010>.

RESEARCH PAPER PRESENTATIONS (19)

1. **Nigam Arooshi** (2024). **Hindū Saṃskāras as Paediatric Developmental Milestones in the Dharmaśāstric Tradition**. Presented in International Seminar on Human Development & Samskar (in Special Reference of Sanskrit literature) jointly organized by Department of Sanskrit, Pondicherry University & Vedic Vidya Kendra, Puducherry on October 01, 2024. (Online).
2. **Nigam Arooshi** (2024). **The Evolution of Gender Dynamics and the Future of Women's Rights: Changing Perspectives In Dharmaśāstric Texts**. Presented in International Conference on संस्कृत, संस्कृति और नारी: वैदिक और आधुनिक परिप्रेक्ष्य; अन्ताराष्ट्रीय संस्कृत विदुषी सम्मेलन, २०२४, jointly organized by Sanskrit Sanskriti Vikas Sansthan Nyas; Department of Sanskrit, South Campus, University of Delhi and SLBS, New Delhi on September 25, 2024.
3. **Nigam Arooshi** (2024). **Dharma-based Moral and Ethical Conduct in Dharmaśāstric Texts**. Presented in National Conference on *Sanskrit, Sanskriti and Sanskar*, organized by Marwari College, Bihar on August 07, 2024. (Online).
4. **Nigam Arooshi** (2024). **Revisiting the Tradition in Modernity: Exploring the Traces of Contemporary Management Arena in Indian Knowledge Tradition**. Presented in National Conference on *Indian Knowledge System in Management*, organized by Indian Institute of technology, Bombay on July 04-06, 2024.
5. **Nigam Arooshi** (2024). **Dharmaśāstra Informatics: Concept Mining System for Socio-Cultural Facet in Ancient India**. Presented in International Conference *LREC 2024 Workshop Language Resources and Evaluation Conference*, Lingotto Congress Centre, Torino, Italy, on 20-25 May 2024. (Online).
6. **Nigam Arooshi** (2024). **Exploring Dharma In Indian Knowledge Systems And Jurisprudential Inquiry: Understanding Legal Doctrine In Dharmaśāstric Texts**. Presented in National Conference on *Implementaion of IKS in contemporary Legal Education*, jointly organized by Law Faculty, University of Delhi & Bhartiya Bhasha Abhiyan, New Delhi on April 19-20, 2024.
7. **Nigam Arooshi** (2024). **Evolution of Gender Dynamics in Hindu Society: A Study of Changing Perspectives Influenced by Dharmashastric Texts**. Presented in *Two Day*

International Global Vidushi Conference On Voices Unveiled: Celebrating Women in Sanskrit Literature, jointly organized by Mata Sundari College, University of Delhi & Global Sanskrit Forum, New Delhi on March 21, 2024.

8. **Nigam Arooshi (2024). Dharmic Ethos: Integrating Ancient Wisdom into Modern Environmentalism, Corporate Responsibility and Global Governance.** Presented in *Two Day National Seminar On Voices Religion, Morality, Diversity of Human Life*, organized by Department of Philosophy, Laxmibai College, University of Delhi, New Delhi on March 18, 2024.
9. **Nigam Arooshi (2024). Political Perspectives: Indexing and Concept Mining for Governance Discourse in Kautilya's Arthashastra.** In Jamia Millia Islamia University, New Delhi on January 24, 2024.
10. **Nigam Arooshi (2023) Digital Evolution of Dharmshastric knowledge: implications for quality education"** Presented in the *Digital Libraries: Sustainable Development in Education*" organized by Indian Institute of Technology, Kharagpur on November 20-22, 2023.
11. **Arooshi Nigam (2023) Environmental Conservation Techniques Embedded in the Dharmaśāstric Knowledge Tradition.** Presented in the *National Youth Conference on Indian Knowledge Systems*" organized by IKS division of MoE, IIT Roorkee on Aug 25-27, 2023.
12. **Arooshi Nigam (2023) Digitization and Instant Access of Dharmaśāstric Scriptures"** Presented in the *26th International Congress of Vedanta, "Vedantic Perspective on Consciousness and Intelligence"* organized by Centre for Indic Studies at University of Massachusetts Dartmouth, Institute of Advanced Sciences, Jawaharlal University, New Delhi on Aug 13, 2023. (Online).
13. **Arooshi Nigam (2022) Global Access Of Manusmṛiti: A Digital Purview for Indigenous Knowledge Treasure"** Presented in Two Day International Sanskrit Seminar On Role Of Education, Literature, Culture and Society in Global Development organized by Department of B.Ed, L.S.M. Govt. P.G. College, Pithoragarh (Uttarakhand) on Nov 13-14, 2022. (Online).
14. **Arooshi Nigam (2022) Digital Accessibility and Information Mining of Dharmaśāstric Knowledge Traditions"** In Proceedings of the 6th Workshop on Indian Language Data: Resources and Evaluation (WILDRE -6 2022), Girish Nath Jha, Sobha L, Kalika Bali and Atul Kr. Ojha (Eds.), LREC 2022 Workshop Language Resources and Evaluation Conference 20-25 June 2022, Marseille, France: European Language Resources Association (ELRA), ISBN: 979- 10-95546-87-0, (pp.42-47). (Online).
15. **Arooshi Nigam (2022) Creating Digital Platform for Manusmṛiti to enhance teaching-learning process in higher education"** Presented in The Online Teaching-Learning on the Quality of Higher Education in India organized by Gautam Buddha Government Degree College, Ayodhya, Uttar Pradesh, Mar 28, 2022. (Online).
16. **Arooshi Nigam (2022) The perspective of Dharmashastras in Scientific World"** Presented in Second International Sanskrit Conference On Sanskrit studies Across the World organized by Department of Sanskrit, Maitreyi College, University of Delhi, New Delhi on Mar 01, 2022. (Online).
17. **Arooshi Nigam (2021) Digital Access and Online Search for Dharmashastric Key Texts of Indian Intellectual Tradition"** Presented in the 25th International Congress of Vedanta, Vedāntic Approach for Health and Education in Modern Times organized by Centre for Indic Studies at University of Massachusetts Dartmouth, Institute of Advanced Sciences, Jawaharlal University, New Delhi on Oct 28, 2021. (Online).
18. **Arooshi Nigam (2021) Digitization and Instant Reference System for Dharmashastric Knowledge Tradition"** Presented in Bharat Manthan organized by Indraprastha Adhyayan Kendra, New Delhi on May 29, 2021.

19. **Arooshi Nigam (2021) Development of Information Extraction System for Manusmriti for Instant Reference**” Presented in the International Webinar, Under the UGC-approved NSQF Courses organized by G.M.N College, Ambala on Feb 4, 2021.

AWARDS AND HONORARY SCHOLARSHIPS (10)

1. **Best Poster Presentation Award** (2023) conferred at National Youth Conference on Indian Knowledge Systems” organised by the IKS division of Ministry of Education under G20 University Connect Programme, IIT Roorkee on Aug 26, 2023.
2. **Outstanding Paper Presentation Prize** (2022) awarded at the Second International Conference on Sanskrit Studies across the World, organised by Department of Sanskrit, Maitrayi College, University of Delhi, New Delhi. The paper was entitled **Perspective of Dharmashastras in the Scientific World** in March 2022.
3. **SHAILI RANI MATHUR PRIZE** for the best student admitted to the post-graduation programme in the LSRC, University of Delhi in the year 2018.
4. **PRINCIPAL PRIZE** for the highest merit In M.A. previous in the year 2018.
5. **SOUTH CAMPUS (DU) ENDOWMENT SCHOLARSHIP** conferred twice consecutively for the years 2018 and 2019.
6. **SANSKRIT PRATIBHA PURUSKAAR** (Delhi state government scholarship) for academic excellence for the year 2019-2020.
7. **SHRI KARAMCHAND PRIZE** for the highest merit in Sanskrit and held a University position for the same in the year 2017.
8. **SUDHIR BHANDARI AWARD** for the best all-around performance in the 3-year Undergraduate Programme conferred by the HoD of the dept. Of Sanskrit at LSRC in the year 2017.
9. **N. K. MEHTA PRIZE** by the Principal of the LSRC for meritorious contributions to the college in the year 2016.
10. **SANSKRIT PRATIBHA PURUSKAAR** (Delhi state government scholarship) for academic excellence for the year 2015-16, and 2017-18.

ACADEMIC/ EDUCATION WORKSHOPS ORGANISED

Technical Team & Drafting Committee (OC):

1. **30 Hour online National Level Training Programme on Computational Sanskrit and Linguistics**, 25 June- 09 July 2021, secured grade A+, Under the UGC approved NSQF Courses, G.M.N College, Ambala.
2. **IT Skills in Teaching Learning Process for Sanskrit**, 01- Apr 09 2021, Miranda House College, University of Delhi.
3. **Computational Resources and Applications for Sanskrit**, Mar 15- Mar 30 2021, Kamla Nehru College, University of Delhi.

CERTIFICATION: UGC NET (National Eligibility for Assistant Professor) December 2019

WORK PROFILE/ RESEARCH EXPERIENCE

1. Nominated as a **Member of Anti-Sexual Harassment Committee (Student Representative)** at Department of Sanskrit, University of Delhi, Delhi Since August 2024 to till date.
2. Invited as a **Data Entry and Compiler** in Review meeting for the **Review of Trilingual (English-Hindi-Sanskrit) Glossary of 11th-12th Commerce** at Commission for Scientific

and Technical Terminology (CSTT), Ministry of Education, Higher Education, Government of India from October 07-10, 2024.

3. Invited as a **Subject Expert** in Review meeting for the मूलभूत कृत्रिमबुद्धि एवं मशीन लर्निंग (अंग्रेजी संस्कृत) शब्दावली समीक्षा at Centre for Development of Advanced Computing (CDAC), Noida organised by Commission for Scientific and Technical Terminology (CSTT), Ministry of Education, Higher Education, Government of India from Sep 02-06, 2024.
4. Invited as a **Subject Expert** in the Expert Advisory Committee (EAC) Meeting for the **Preparation of Fundamental Glossary of Broadcast (English-Hindi-Sanskrit)** at Commission for Scientific and Technical Terminology (CSTT), Ministry of Education, Higher Education, Government of India from Aug 26 to Sep 01, 2024.
5. Invited as a **Subject Expert** in the Expert Advisory Committee (EAC) Meeting for the **Development of Trilingual Glossary for Social Science** at Commission for Scientific and Technical Terminology (CSTT), Ministry of Education, Higher Education, Government of India from July 29- Aug 02, 2024.
6. Invited as a **Subject Expert** in the Expert Advisory Committee (EAC) Meeting for the **Development of Trilingual Glossary for IT** at Commission for Scientific and Technical Terminology (CSTT), Ministry of Education, Higher Education, Government of India from July 23-26, 2024.
7. Participated as language expert in meeting organized by Bhartiya Bhasha Samiti, regarding the Development of literature and syllabus for Indian knowledge-based Labour welfare on May 22, 2024 at IIT Delhi.
8. Invited as a **Subject Expert** in Review meeting for the मूलभूत कृत्रिमबुद्धि एवं मशीन लर्निंग (अंग्रेजी संस्कृत) शब्दावली समीक्षा at Centre for Development of Advanced Computing (CDAC), Noida organised by Commission for Scientific and Technical Terminology (CSTT), Ministry of Education, Higher Education, Government of India from May 13-17, 2024.
9. Invited as a **Subject Expert** in the Expert Advisory Committee (EAC) Meeting for the **Development of Trilingual Glossary for IT** at Commission for Scientific and Technical Terminology (CSTT), Ministry of Education, Higher Education, Government of India from Apr 01-05, 2024.
10. Invited as a **Subject Expert** in the Expert Advisory Committee (EAC) Meeting for the **Development of Bilingual Glossary for Labour** at Commission for Scientific and Technical Terminology (CSTT), Ministry of Education, Higher Education, Government of India from Mar 11-15, 2024.
11. Invited as a **Subject Expert** in Review meeting for the मूलभूत कृत्रिमबुद्धि एवं मशीन लर्निंग (अंग्रेजी संस्कृत) शब्दावली समीक्षा at Centre for Development of Advanced Computing (CDAC), Noida organised by Commission for Scientific and Technical Terminology (CSTT), Ministry of Education, Higher Education, Government of India from Feb 26 to Mar 01, 2024.
12. Invited as a **Subject Expert and Data Entry and compiler** in the Expert Advisory Committee (EAC) Meeting for the Development of Trilingual Glossary for Electronics by Commission for Scientific and Technical Terminology (CSTT), Ministry of Education, Higher Education, Government of India from Jan 02-05, 2024.
13. Invited as a **Subject Expert and Data Entry and compiler** in the Expert Advisory Committee (EAC) Meeting for the Development of Trilingual Glossary for Political Science by Commission for Scientific and Technical Terminology (CSTT), Ministry of Education, Higher Education, Government of India from Dec 11-15, 2023.
14. Invited as a **Subject Expert and Data Entry and compiler** in the Expert Advisory Committee (EAC) Meeting for the Development of Trilingual Glossary for Electronics by Commission for Scientific and Technical Terminology (CSTT), Ministry of Education, Higher Education, Government of India from Dec 04-08, 2023.
15. Invited as a **Subject Expert and Data compiler** in the Expert Advisory Committee (EAC) Meeting for the Economics Technical Terminology (English-Hindi-Sanskrit) by Commission

for Scientific and Technical Terminology (CSTT), Ministry of Education, Higher Education,
Government of India from Feb 27 to March 03, 2023.