

Chaamika Hulangamuwa

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RESEARCH INTERESTS	My research focuses on Educational Technology, Web Accessibility, and Inclusive Learning, with a focus on AI, game-based and adaptive learning, and interactive multimedia for children with special needs. Additional interests span computational linguistics, language translation and transliteration, human-computer interaction, health informatics, and accessible digital solution design for diverse user communities.	
EDUCATION	University of Moratuwa , Moratuwa, Sri Lanka M.Sc in of Science in Information Technology (By Research) - 2024 University of Sri Jayewardenepura , Nugegoda, Sri Lanka B.Sc(Hons) Information Technology, Second class upper division - 2019	
ACADEMIC EXPERIENCE	The Open University , Nawala , Sri Lanka. <i>Lecturer, Centre for Educational Technology & Media</i> June, 2026 - Present NIIBS Campus , Kelaniya, Sri Lanka. <i>Lecturer (Visiting), Faculty of Computing</i> June, 2026 – Present CINEC Campus , Malabe, Sri Lanka. <i>Lecturer, Faculty of Computing</i> August, 2025 – June, 2026 University of Sri Jayewardenepura , Nugegoda, Sri Lanka <i>Computer Instructor, Faculty of Management</i> December, 2019 – August, 2020 ICBT Campus , Colombo, Sri Lanka. <i>Lecturer (Visiting), Faculty of Computing</i> February, 2024 – July, 2024 NIIBS Campus , Kelaniya, Sri Lanka. <i>Lecturer, Faculty of Computing</i> September, 2022 – August, 2025 The Open University , Nawala, Sri Lanka. <i>External Tutor, Faculty of Engineering Technology</i> October, 2021 – October, 2023 The Open University , Nawala, Sri Lanka. <i>IT Demonstrator, Faculty of Education</i> October, 2020 – July, 2022 University of Sri Jayewardenepura , Nugegoda, Sri Lanka <i>Computer Instructor, Faculty of Management</i> December, 2019 – August, 2020	

Book Chapters

Hulangamuwa, H.G.C.K. (2025). *Evaluating Web Accessibility Compliance of Government Websites in Sri Lanka*. In *Dharma Śāstra Vīmānsā: Festschrift for the Venerable Dr. Bodagama Chandima Thera*, Vol. II (pp. 459–474). Nāgānanda International Institute for Buddhist Studies.

Hulangamuwa, H.G.C.K., Kodagoda, K.P.D.S.L., Devindi, P.T.N. (2025). *Effectiveness of Digital Tools in Sanskrit Education*. In *Dharma Śāstra Vīmānsā*, Vol. I (pp. 415–433). Nāgānanda International Institute for Buddhist Studies.

Conference Papers

Kodagoda, K.P.D.S.L., & Hulangamuwa, H.G.C.K. (2025). *AI-Driven Graphic Design in Higher Education: A Strategic Approach to Enhancing Teaching Effectiveness, Student Engagement, and Inclusive Learning Environments*. *IRSHSS 2025 Proceedings* (pp. 50–54). NIIBS.

Hulangamuwa, H.G.C.K. (2025). *Integrating AI-Powered Visual Recognition and Feedback Tools in Early Literacy Instruction: Improving 'b' and 'd' Letter Formation Among Students with Learning Disabilities in Sri Lanka*. *IRSHSS 2025 Proceedings* (pp. 241–245). NIIBS.

Conference Abstracts

Kodagoda, K.P.D.S.L., & Hulangamuwa, H.G.C.K. (2025). *Implementing AI-Enhanced Learning Environments in Vocational Education: A Case Study on Adaptive Learning Technologies for Skill-Based Training*. *International Research Symposium 2025 (IRS2025-UoVT)* (p. 81).

Kodagoda, K.P.D.S.L., & Hulangamuwa, H.G.C.K. (2025). *Gamification and Game-Based Learning in Higher Education: Leveraging Educational Technologies for Enhanced Student Engagement and Learning Outcomes*. *Annual Research Conference 2025* (p. 7). Faculty of Graduate Studies, University of Colombo.

Kodagoda, K.P.D.S.L., & Hulangamuwa, H.G.C.K. (2024). *Development of a Computational Linguistics Tool for English-to-Sinhala Transliteration and Localisation*. *Annual Research Conference 2024* (p. 8). NIIBS.

Kodagoda, K.P.D.S.L., & Hulangamuwa, H.G.C.K. (2024). *Design and Development of a Database-Driven Application for Sinhala Etymological Analysis*. *IRS UoVT 2024* (p. 85). Ratmalana.

Hulangamuwa, H.G.C.K. (2023). *Game-Based Learning and Interactive Multimedia Lessons for Sinhala Letters for Students with Learning Disabilities*. *IASAS 2023* (p. 33).

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References

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