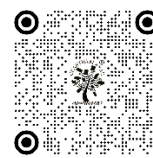
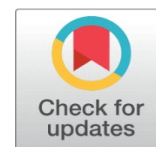


SPECIAL ISSUE ON INTELLIGENT EVALUATION, EMOTION ANALYTICS, AND AI-BASED ASSESSMENT IN DIGITAL ART



Dr. Saurabh Bhattacharya ¹  , Anuj Kumar ² , Prof Dr. Shreyas Dingankar ³  , Dr. Pastor R. Arguelles Jr. ⁴  , M. Rajendra Nath Babu ⁵  , Dr. Indrani Hazarika ⁶  



¹ Assistant Professor, School of Computer Science & Engineering, Galgotias University, Greater Noida, UP, India

² Assistant Professor, Department of Hindi, Nagaland University, Kohima Campus, Meriema, Nagaland, India

³ Institute of Management and Entrepreneurship Development, Bharati vidyapeeth Deemed to be university, Pune, India

⁴ Director, Research and Publication Office, University of Batangas Lipa City, Philippines

⁵ Associate Professor, Department of Education, Nagaland University, Kohima Campus, Meriema, Kohima (dt.), Nagaland, India

⁶ Department of Business and Specialization Accounting, Higher Colleges of Technology, United Arab Emirates

DOI [10.29121/shodhkosh.v6.i3s.2025.6928](https://doi.org/10.29121/shodhkosh.v6.i3s.2025.6928)

Dear Readers and Contributors,

It is with great pleasure that we present this special issue of *ShodhKosh: Journal of Visual and Performing Arts*, titled “**Intelligent Evaluation, Emotion Analytics, and AI-Based Assessment in Digital Art.**” This special issue responds to a critical and timely need within contemporary creative practice and education, where digital art has evolved beyond static visual expression into an intelligent, data-driven, and emotionally responsive domain.

With the integration of Artificial Intelligence, digital artworks today function as interactive systems capable of adaptation, interpretation, and emotional engagement. While such advancements have expanded the expressive and pedagogical possibilities of digital art, they have also introduced complex challenges related to **evaluation, assessment, and interpretation of creativity and emotional impact**. Traditional evaluative frameworks often fall short in addressing the multidimensional, subjective, and experiential nature of digital creativity.

Recent developments in **emotion analytics, affective computing, machine learning, and intelligent assessment systems** offer promising pathways to address these challenges. AI-based models now enable the analysis of visual features, emotional responses, interaction patterns, and contextual data, allowing for more objective, scalable, and reproducible approaches to evaluating digital art and creative performance. These technologies also hold transformative potential for **art education**, supporting automated feedback, learning analytics, and fair assessment mechanisms.

The papers selected for this special issue reflect a rich interdisciplinary dialogue bridging **technology, visual culture, psychology, pedagogy, and creative practice**. Contributions explore intelligent evaluation models for digital art, AI-driven creativity assessment frameworks, deep learning approaches to aesthetic quality measurement, emotion recognition in visual and interactive art, and multimodal emotion analysis using image, video, and interaction data. Several studies also address automated grading systems, feedback generation, and data-driven evaluation strategies within digital art education environments.

This special issue welcomes both theoretical insights and applied research, highlighting how intelligent systems can support meaningful evaluation without undermining artistic subjectivity. A recurring theme across the contributions is the importance of **ethical responsibility, interpretability, and human-centered design** in AI-based assessment systems, ensuring that technological advancement complements rather than constrains creative expression.

The call for papers attracted a diverse range of submissions from researchers, educators, technologists, and practitioners working at the intersection of art and artificial intelligence. All manuscripts underwent a rigorous peer-review process to maintain the scholarly standards of *ShodhKosh*. The resulting collection represents a curated body of work that advances current understanding while opening new avenues for research and pedagogical innovation.

We express our sincere gratitude to all authors for their valuable contributions, to the reviewers for their critical insights, and to **Granthaalayah Publications** for their continued support in promoting interdisciplinary research in the visual and performing arts. Their commitment has been instrumental in bringing this special issue to fruition.

We hope this volume will stimulate thoughtful discussion, inspire future research, and contribute meaningfully to the evolving discourse on intelligent evaluation and emotional analytics in digital art. May it serve as a resource for scholars and practitioners seeking to navigate the complex relationship between creativity, emotion, and artificial intelligence.

Sincerely,



Dr. Saurabh Bhattacharya is an Associate Professor in the Department of English at Nagaland University, Kohima, India, with extensive experience in teaching, research, and academic leadership. His scholarly work reflects a strong engagement with literary studies, cultural theory, language education, and interdisciplinary humanities research. With a commitment to critical inquiry and pedagogical innovation, Dr. Vasanthan has contributed significantly to curriculum development, research supervision, and academic discourse within and beyond his institution. His academic interests span literature, culture, communication, and contemporary critical approaches, with a particular focus on contextual and socially engaged scholarship. He has published research in reputed journals, participated in national and international academic forums, and actively supports research-oriented learning among students. Through his teaching and research, Dr. Vasanthan continues to promote analytical thinking, academic rigor, and inclusive perspectives in higher education, contributing meaningfully to the advancement of English studies and humanities scholarship in India.



Dr. M. Rajendra Nath Babu is an Associate Professor in the Department of Education at Nagaland University, Kohima Campus, Meriema, Nagaland, India. A highly accomplished academic with multiple postgraduate degrees—including M.A. in English and Sociology, M.Sc. in Psychology and Mathematics, M.Ed., M.Phil., and Ph.D.—he also holds UGC-NET with JRF and SRF in Education. With over 15 years of teaching and research experience in higher education, he has served in various academic and administrative roles, including Teacher-in-Charge, Convener of state-level entrance examinations, and Warden of university hostels.

Dr. Babu's research spans digital literacy, teacher education, learning styles, mental health, educational technology, and community participation. He has published extensively in UGC-CARE, Scopus-indexed, and peer-reviewed journals, contributing significantly to educational research in Nagaland and beyond. His commitment to professional development is reflected in his participation in numerous FDPs, workshops, MOOCs, and national training programmes.



Dr. Anuj Kumar is an Assistant Professor in the Department of Hindi at Nagaland University, Kohima Campus, Meriema, Nagaland, India. A scholar of contemporary Hindi literature, his academic interests span modern Hindi poetry, literary criticism, and the sociology of literature. He holds an M.Phil and Ph.D. from the University of Hyderabad, where he conducted research on Arun Kamal's poetic consciousness and the critical-cultural thought of Ramdhari Singh Dinkar.

Dr. Kumar has contributed extensively to Hindi literary studies through research papers published in national and international journals, covering themes such as feminist discourse, cultural critique, nationalism in Hindi poetry, and the socio-literary

	<p>perspectives of major poets. He is also the author of the book <i>Itna to Taskin Hai, Ham Yaad Ayenge Janab!</i> (2020).</p> <p>With experience in teaching, translation, academic evaluation, and literary workshops, he continues to enrich Hindi scholarship and promote critical engagement with contemporary literary trends.</p>
	<p>Mr. Shreyas Upendra Dingankar is an accomplished Assistant Professor at Bharati Vidyapeeth (Deemed to be University), IMED, Pune, bringing over 13 years of teaching experience and 2 years of industry experience to his academic role. Known for his rare blend of academic expertise, industry exposure, and strong professional associations with leading scientific and administrative figures, he offers students a uniquely practical and innovative learning environment. His close working relationships with eminent personalities such as Dr. Raghunath Mashelkar, Dr. Vijay Bhatkar, and Dr. Anand Kakodkar enrich his perspective on research, innovation, and problem-solving.</p> <p>Mr. Dingankar has an impressive research portfolio, including 11 Scopus-indexed papers, 2 ABDC-listed publications, and 15 UGC-CARE papers, reflecting his commitment to high-quality scholarship. Recently appointed as a Member of the Bharati Vidyapeeth University Academic Council, he contributes actively to institutional development. His teaching expertise spans entrepreneurship, strategic management, business communication, and design thinking, making him a highly respected educator and mentor.</p>
	<p>Dr. Pastor R. Arguelles Jr. is a distinguished academic leader and researcher, currently serving as the Director of the Research and Publications Office at the University of Batangas Lipa City. He is widely recognized for his outstanding contributions to research, innovation, and institutional leadership. Recently, he was honored for multiple achievements, including being invited as a Keynote Speaker at the International Conference on Innovative Computing & Communication in Meerut, India, where he addressed advancements in life sciences, agriculture, and technology. He also served as Guest of Honor and Speaker at Chaudhary Charan Singh University's Department of Fine Arts in February 2025.</p> <p>Dr. Arguelles strengthens global academic collaboration through roles such as Chief Editor of the International Journal of Sustainable Educational Practices and Future Trends and Panel Member of the Inter-Agency Technical Evaluation Committee (IATEC) under DOST Region 4A. His leadership excellence was further recognized with the Most Outstanding Dynamic and Transformative Leader of the Year Award in December 2024.</p>
	<p>Dr. Indrani Hazarika is a faculty member in the Department of Business with a specialization in Accounting at the Higher Colleges of Technology (HCT), United Arab Emirates. She contributes to HCT's mission of delivering industry-aligned, practice-oriented business education through her expertise in accounting, financial analysis, and applied business studies. Dr. Hazarika is actively engaged in teaching, curriculum development, and academic mentoring, supporting learners in developing strong analytical and professional competencies required in today's global business environment. Her academic interests include financial reporting, corporate governance, accounting education, and the integration of technology in business decision-making. She also participates in research and institutional initiatives that enhance academic quality and promote innovation in business pedagogy. Through her commitment to excellence in teaching and student development, Dr. Hazarika plays a significant role in strengthening the academic and professional landscape of the Higher Colleges of Technology</p>