Dr. Md. Samaun Hasan, PhD

Assistant Professor

Department of Multimedia & Creative Technology

Faculty of Science and Information Technology

Email: hasan.mct@diu.edu.bd Phone: 01847140101 Room: 1017A



PROFILE

Dr. Md. Samaun Hasan is an Assistant Professor in the Department of Multimedia and Creative Technology at Daffodil International University. With a diverse interdisciplinary background in fine arts, art history, art criticism, archaeology, and machine learning, he works at the intersection of cultural heritage, artistic research, and computational analysis. As an artist, art historian, critic, and academic, he is committed to exploring innovative approaches to the documentation, analysis, and interpretation of archaeological and artistic heritage. His research focuses on the application of artificial intelligence (AI), convolutional neural networks (CNNs), and advanced computer vision techniques to the study and preservation of cultural heritage, with particular emphasis on material culture, architectural ornamentation, visual traditions, and historical monuments. His scholarly interests include CNN-based feature extraction, motif classification, pattern recognition, architectural feature analysis, and historical period identification. Through rigorous, data-driven methodologies, he seeks to advance systematic heritage documentation, digital archiving, and the analytical interpretation of historical and artistic resources. In teaching, he emphasizes critical inquiry, visual literacy, and analytical thinking by integrating digital technologies and AI-driven methodologies into art and heritage education. He is particularly interested in interdisciplinary research that bridges traditional art-historical approaches with emerging computational technologies. His broader professional goal is to contribute to cultural heritage preservation, digital scholarship, and knowledge production through innovative, evidence-based research and the integration of artistic expertise with machine learning and computational analysis.

Research Interests: Art, Paintings, Visual Arts And Communications, Calligraphy, Graphic Novel, Culture & Heritage, Image Processing, Data Analysis, Machine Learning

EXPERIENCE

Assistant Professor — Daffodil International University
Jan 2022 – Present **CURRENT**

Lecturer (Senior Scale) — Daffodil International University
Jan 2020 – Mar 2021

Lecturer — Daffodil International University
Jan 2015 – Jan 2019

DIU

PUBLICATIONS (24)

1. Augmented (AR) and Virtual Reality (VR) Tools are the Combined Flavor of Books and Modern Technology in the Centex of Pre-School Education. *(18th Annual international Conference of Itihas Parishad)* · 2024
2. The Establishment of the Hindu temples of Bengal in the Muslim era (13th to 18th Century) *(Searching lines', A Collection of Writings Around Art, Volume-9 Session 2010-2011. Department of History of Art, Kala-Bhavana, Visva Bharati, Santiniketan, India.)* · 2011
3. The development of Temple architecture of Bengal: the ancient age or Hindu age and the Modern age or British age *(A Collection of Writings Around Art, Volume-10 Session 2011-2012, Department of History of Art, Kala-Bhavana, Visva Bharati, Santiniketan, India.)* · 2012
4. KITT: A Flourished pilgrim of Knowledge. Educational Excursion: DIU to KIIT & KISS *(Daffodil International University)* · 2017
5. Anatomical Analysis Between Two Languages Alphabets: Visually Typographic Test Transformation in Morphological Approaches *(Communications in Computer and Information Science)* · 2020
6. Unleashing the VEP Triplet Count of Virtually Created 3D Bangla Alphabet to Integrate with Augmented Reality Application *(Communications in Computer and Information Science)* · 2020
7. Engagement of Student Mind in Problem Solving for Batter Employability *(International summit on Employability & soft Skills')* · 2017
8. A Technical Model for Problem Solving in a Holistic Approach *(ULAB Journal of Science and engineering)* · 2017
9. Human Face Detection in Excessive Dark Image by Using Contrast Stretching, Histogram Equalization and Adaptive Equalization *(International Journal of Engineering and Technology (UAE))* · 2018
10. A Fuzzy TOPSIS Approach for Big Data Analytics Platform Selection *(Journal of Advances in Computer Engineering and Technology)* · 2019
11. Growing Technology is More Powerful Tools in the Context of Manual Books: Modern Education will Not Only be Inside Books and Paper. *(20th Biannual International Conference of History & Heritage)* · 2022

12. Deep Learning-Based Era Identification of Karapur Miah Bari Mosque (Barisal) through Feature Detection *(History and tradition of greater Barisal: Barisal Regional Conference 2024)* · 2024
13. Feature Detection-Based Era Identification UsinDeep Learning *(International Journal of Interactive Mobile Technologies)* · 2026
14. A Mobile App–Integrated Deep Learning System for Era and Edge Detection in Somapura Mahavihara's Architectural Heritage. *(The Journal of the Varendra Research Museum)* · 2026
15. Based Mughal Motif Identification and Fashion Application
16. Deep Learning and Feature Detection Integration for Dating Heritage Architecture: A Case Study on Kantajew Temple
17. Methodology: CNN-Driven Identification and Fashion Application of Ornamental Motifs from Sultanate Architecture. *(Fine Arts Journal)* · 2025
18. Monument Recognition and Historical Era Prediction Using CNNs: A Case Study of Kusumba Mosque *(The Faculty Journal of Arts, Rajshahi University)* · 2025
19. Creating awareness about traffic jam through engaged use of stop motion animation: boomerang *(International Journal of Engineering &Technology)* · 2018
20. AR & VR Based Child Education in Context of Bangladesh *(Saudi Journal of Engineering and Technology)* · 2019
21. Identification of Construction Era for Indian Subcontinent Ancient and Heritage Buildings by Using Deep Learning *(International Congress on Information and Communication Technology)* · 2021
22. Heritage Building Era Detection using CNN *(IOP Conference Series: Materials Science and Engineering)* · 2019
23. Implementation of smart indoor agriculture system and predictive analysis *(Communications in Computer and Information Science)* · 2019
24. Deep Learning for Cultural Heritage: A Mobile App for Monument Recognition Using Convolutional Neural Networks *(International Journal of Interactive Mobile Technologies)* · 2025

TEACHING AREAS

Fine Arts and Painting · Drawing and Sketching · Art History and Appreciation · Composition and Visual Design · Multimedia and Creative Technology · History of World Cinema · Film Language and Aesthetics · Screenplay Writing and Visualization · Archaeology and Cultural Heritage · Digital Heritage Preservation · Bangladesh Studies

EDUCATION

Doctor of Philosophy
Jahangirnagar University · 2022
Result: Awarded

MFA in History of Art
Visva-Bharati University · 2013
Result: 5.00 / 10.0

Bachelor of Fine Arts
Rajshahi University · 2008

SKILLS

- Fine Arts and Painting: Expertise in painting, drawing, visual composition, and creative practices.
- Art History and Criticism: Knowledge of art history, visual culture, artistic traditions, and critical analysis.
- Artificial Intelligence and Machine Learning: Application of AI, deep learning, and Convolutional Neural Networks (CNNs).
- Research and Academic Writing: Scholarly research, journal publications, conference presentations, and peer reviewing.
- Teaching and Learning: University-level teaching, student mentoring, and integration of digital technologies into creative education.
- Curriculum Development: Course design, syllabus preparation, and outcome-based education (OBE).
- Creative Project Management: Art exhibition organization, curatorial projects, workshops, and academic events.

MEMBERSHIPS

Life Member · Indian History Congress
· National

Life Member · Paschimbanga Itihas Samsad
· National

Life Member · Itihash Academy
· National

Life Member · Itihas Porishad
· National

Life Member · Swid Bangladesh
· National

Life Member · Bangladesh History Association
· National

AWARDS & HONORS

Certification of Participation, 5th Tune of Art' International Art Festival 2020
FOCUS Bangladesh · 2020

Certificate of participation, 14th international Conference of History & Heritage
Itihas Academy, Asiatic Society of Bangladesh · 2018

Certificate of Honor for facilitating the KOREAN ICT Volunteering Program
Department of Multimedia and Creative Technology (MCT), Daffodil International University · 2019

Certificate of Honor for Judgment in "Photo, Art Fest & Workshop 2019 (Season: 02)"
KJ Tutorial Professional Institute · 2019

Certification of Paper Presentation, Third International Conference, ICACDS 2019
Journal of Advances in Computer Engineering and Technology · 2019

Certificate of participation in the 49th Annual international Conference of Itihas Parishad
Teacher-Student Centre, University of Dhaka · 2019

Certification of Paper Presentation, Saudi Journal of Engineering and Technology
Saudi Journal of Engineering and Technology · 2019

Certificate of Appreciation, Program for participating of the Five Days workshop on Augmented Reality (AR) and Virtual Reality (VR)
Department of Multimedia and Creative Technology (MCT), Daffodil International University · 2019

Certification of Paper Presentation, 3rd International Conference on Civil and Building Materials
Journal of Key Engineering Materials · 2019

Honorable mention Award for Excellency in painting (Thinking-01) at the 13th Art Exhibition & Competition of Shilpi Rashed Smrity Parshad 2019
National Art Gallery, Shilpi Rashed Smrity Parshad, Bangladesh Shilpakala Academy · 2019

Certification of Participation, Program Supply Chain I Post COVID-19 Supply Chain in South Asian Economies
Human Resource Development Institute, DIU (Daffodil International University) · 2020

Certification of Participation, Qualitative program: Data Collection Methods and Data Analysis
Division of Research, DIU (Daffodil International University) · 2020

Certification of Participation, Program Quantitative Research: Data Analysis and Interpretation Using SPSS
Division of Research, DIU (Daffodil International University) · 2020

Certificate of participation, Program for participating at the international workshop on Training of Trainers on "HEA Fellowships-Professional Recognition in L&T in Higher Education"
Institutional Quality Assurance Cell (IQAC), DIU (Daffodil International University) · 2016

Certification of Paper Presentation, International Conference on Advances in Computing and Data Sciences
Springer · 2020

Certification of Paper Presentation, Fifth International Congress on Information & Communication Technology (ICICT 2020)
Brunel University London · 2020

Awarded 'In Recognition of Scholarly Publication in Reputed Indexed Journal'
Division of Research, DIU (Daffodil International University) · 2020

Certificate of Appreciation, Understanding Open Educational Resources (OER) Bangladesh
Commonwealth of Learning · 2021

Certificate of Participation, Author Workshop on 'Fundamentals of Writing Research Articles for Top Journals'
Bangladesh University of Engineering and Technology · 2021

Certificate of Appreciation, 24th National Art Exhibition 2021
Bangladesh Shilpakala Academy · 2021

Letter of Appreciation, The Best Performing Faculty Members AWARD
Daffodil International University · 2021

Awarded 'In Recognition of Scholarly Publication in Reputed Indexed Journal'
Division of Research, Daffodil International University · 2021

Awarded ‘In Recognition of Scholarly Publication in Reputed Indexed Journal’
Division of Research, Daffodil International University · 2022

Certification of Special training Course, Successfully completing the course ‘Positivity – How to Build Positive Mentality’ with distinction
GoEdu.ac · 2022

Certification of Special training Course, Successfully completing the course ‘Become & Make A Leader with Examples’ with distinction
GoEdu.ac · 2022

Certificate of participation in the 7 days long ‘Rhythm of Xylography’ Workshop
Gallery Cosmos · 2013

Certificate of participation, Participated in the 11th Berger Young Painters Art Exhibition
Berger Young Painters Art Exhibition · 2006

Certificate of Appreciation, Bangladesh -Thailand Joint Water Color Work Shop
Thai Embassy Dhaka, Drik Gallery · 2008

Scholarship Winners
Aminul Islam Trust, Institute of Fine Arts, University of Dhaka · 2008

Certificate of Merit, Participated in the Images of Selim Al Deans life and works Art Exhibition
Bangladesh Shilpakala Academy · 2009

Certificate of participation, 3 days long water color workshop on S. M. Sultan birth anniversary
Bangladesh Shilpakala Academy · 2009

Certificate of participation in the First Photography workshop
Photography society of Rajshahi, Department of Fine Arts, University of Rajshahi · 2010

Dr. V.S. Wakankar memorial gold award for Excellency in painting “Kalavar National Art Contest 2011”
Kalavar National Art Contest · 2011

Certificate of participation, Odisha Pattachitra Workshop
Eastern Zonal Cultural Centre, Ministry of Culture, Govt. of India · 2012

Certificate of participation, CBS special lecture series 2011-2012 Buddhis Art & Architecture
Centre for Buddhist Studies (CBS) Visva-Bharati Santiniketan · 2012

Awarded for Excellency in painting, Sixth All India Contemporary Art Exhibition
Delhi Public School · 2012

Certificate of participation, National Seminar on “Rathindranath: The Unsung Hero”
Rabindra-Bhavana · 2013

Certificate of participation, “A Man of Letters: Rabindranath Tagore and His Epistles”
Rabindra-Bhavana · 2013

Certification of Special training Course, Successfully completing the course ‘Leadership Qualities- Boss vs Leader’ with distinction
GoEdu.ac · 2022

Certificate of participation in the 1 day long ‘colors of Bangladesh’ Workshop
Srijan Bikash Art Academy, Vertical · 2014

Certificate of participation in the 7th Kahal Art Fair-2015 (Japan-Bangladesh)
National Art Gallery, Bangladesh Shilpakala Academy · 2015

Certification of Special training Course, Successfully completing the course ‘Professional Graphic Design’
Creative IT Institute · 2016

Certification of Participation, “20th Young Artist Art Exhibition-2016”
National Art Gallery, Bangladesh Shilpakala Academy · 2016

Participated in the Suborno Joyonti, 11th (46th Annual) National Conference-2016
Bangladesh Itihas Porishad, Dhaka University · 2016

Certification of Participation and paper presentation in the Twelfth International Conference of History & Heritage 2016
Itihas Academy, National Academy for Education Management (NAEM) · 2016

Certificate of Special training Course, ‘Statistical Package for Social Sciences (SPSS) & Writing Journal articles’
HRDI (HR Development Institute), Daffodil International University · 2016

Certification of Special training Course, ‘Training on Participatory Engaging Technique (PET) FOR Teachers’
Daffodil International University · 2016

Certification of Participation, Program for Faculty Members of DIU under TOT including Pedagogy, OBTL, Effective Class Management, Teaching-Learning, Research & Extension, Student Assessment and Engagement
Institutional Quality Assurance Cell (IQAC), DIU (Daffodil International University) · 2016

Certificate of participation, "Participating at the International workshop on "Achieving Corporate Social Responsibility, Ethics and Corporate Governance in Higher Education"
Institutional Quality Assurance Cell (IQAC), DIU (Daffodil International University) · 2016

Certificate of participation, Program for participating at the international workshop on TOT "Lesson Plan, Peer Review for Class Auditing, Scientific Teaching evaluation and documentation"
Institutional Quality Assurance Cell (IQAC), DIU (Daffodil International University) · 2016

Certificate of Completion 'Certified Peer Reviewer Course Assessment (30 minutes)'
Researcher Academy (Elsevier) · 2024

Certificate of Participation, IEEE Authorship and Open Access Symposium: Investing in Your Future: The Importance of Continuing Education for Engineers
IEEE Virtual Events · 2024

Certificate of Completion 'Introduction to the Certified Peer Reviewer Course'
Researcher Academy (Elsevier) · 2024

Certificate of Completion 'What to expect from the Certified Peer Reviewer Course? (3 minutes)'
Researcher Academy (Elsevier) · 2024

Certificate of Completion '1.1 What is peer review? Why peer review? (12 minutes)'
Researcher Academy (Elsevier) · 2024

Certificate of Completion '1.2 Models of peer review (16 minutes)'
Researcher Academy (Elsevier) · 2024

Certificate of Completion '1.3 The typical peer review process (20 minutes)'
Researcher Academy (Elsevier) · 2024

Certificate of Completion '1.4 How to get involved (6 minutes)'
Researcher Academy (Elsevier) · 2024

Certificate of Completion '2.0 I just got a review invite, what's next? (6 minutes)'
Researcher Academy (Elsevier) · 2024

Certificate of Completion '3.1 How to write a helpful peer review report (25 minutes)'
Researcher Academy (Elsevier) · 2024

Certificate of Completion '3.2 The comments to editors and decision recommendations (17 minutes)'
Researcher Academy (Elsevier) · 2024

Certificate of Completion '3.3 How to peer review a review article (60 minutes)'
Researcher Academy (Elsevier) · 2024

Certificate of Completion '4.0 What next? (10 minutes)'
Researcher Academy (Elsevier) · 2024

Certification of Paper Presentation, "Deep Learning-Based Era Identification of Karapur Miah Bari Mosque (Barisal) through Feature Detection" In the History and tradition of greater Barisal: Barisal Regional Conference 2024
Bangladesh History Association, Department of History, Barisal University · 2024

Certificate of Completion 'Certified Peer Reviewer Course'
Researcher Academy (Elsevier) · 2024

Certificate of Participation, IEEE Authorship and Open Access Symposium: Tips and Best Practices to Get Published from IEEE
IEEE Virtual Events · 2024

Certificate of Participation, IEEE Horizons: Exploring 5G/6G Innovations
IEEE Virtual Events · 2024

Certificate of Peer Review Award for Manuscripts: 164, Towards Dry Fruit and Nut Sorting Automation: A Deep Learning Approach to Detect Various Common Dry Fruits and Nuts; 172, BN-HW-DSNd: A Dataset of Handwritten Bengali Words for Text Recognition; 301, Deep Learning-Based Real-Time Bengali Multi-Vehicle Number Plate Detection
International Conference on Computing Advancements (ICCA 2024), American International University - Bangladesh (AIUB) · 2024

Certificate of Peer Review Award for Manuscript Id: S53423-R1, 'Enhancing Organizational Performance Through Quality Information Systems'
International Journal of Interactive Mobile Technologies (iJIM) · 2024

Certificate of Peer Review Award for Manuscript Id: S53263-R1, 'Multi-Modal Integration for Advanced Symmetric Vehicle Detection in Intelligent Transportation Systems'
International Journal of Interactive Mobile Technologies (iJIM) · 2024

Certificate of Peer Review Award for Manuscript Id: S53459-R1, ‘Implementation of Professionally-Oriented Tasks with Interactive Cloud Environment Google Colab’
International Journal of Interactive Mobile Technologies (iJIM) · 2024

Certificate of Peer Review Award for Manuscript Id: S52625-R1, ‘Toward Seamless Shopping: A Bibliometric Journey of Unraveling Utaut in The Digital Marketplace’
International Journal of Interactive Mobile Technologies (iJIM) · 2024

Certificate of Peer Review Award for Manuscript Id: S52145-R1, ‘Real-Time Posture Monitoring prediction for Mitigating Sedentary Health Risks using deep learning techniques’
International Journal of Interactive Mobile Technologies (iJIM) · 2024

Certificate of Peer Review Award for Manuscript Id: S53441-R1, ‘Attention-Driven Image Captioning for Mobile Accessibility of the Visually Impaired’
International Journal of Interactive Mobile Technologies (iJIM) · 2024

Certificate of Peer Review Award for Manuscript Id: S53487-R1 ‘SADNet: A Novel Hybrid Deep Learning Model for Automatic Detection of Suspicious Human Activities in Surveillance Videos’
International Journal of Interactive Mobile Technologies (iJIM) · 2024

Certificate of Professional Development, Program for participating of Professional Development ‘IN4OBE Virtual Summit 2022’; Webinar 10: Role of Assessment in Enhancing Quality of Education’
The IN4OBE Bangladesh Chapter at the United International University (UIU) · 2022

Certification of Special training Course, Successfully completing the course ‘Setting and Achieving Focus, Goals and Targets’ with distinction
GoEdu.ac · 2022

Certification of Special training Course, Successfully completing the course ‘Soft Skill and Hard Skill’ with distinction
GoEdu.ac · 2022

Certificate of Professional Development, Program for participating of Professional Development ‘IN4OBE Virtual Summit 2022’; Webinar 1: A Triad of OBE Pathways that Advance Human Evolution’
The IN4OBE Bangladesh Chapter at the United International University (UIU) · 2022

Certificate of Professional Development, Program for participating of Professional Development ‘IN4OBE Virtual Summit 2022’; Webinar 2: Quality and Accreditation or OBE, Which One’
The IN4OBE Bangladesh Chapter at the United International University (UIU) · 2022

Certificate of Professional Development, Program for participating of Professional Development ‘IN4OBE Virtual Summit 2022’; Webinar 3: Automation of Assessment and Evaluation’
The IN4OBE Bangladesh Chapter at the United International University (UIU) · 2022

Certificate of Professional Development, Program for participating of Professional Development ‘IN4OBE Virtual Summit 2022’; Webinar 4: Change of Mindset in Teaching-Learning and Assessment – Traditional Way VS. OBE Way’
The IN4OBE Bangladesh Chapter at the United International University (UIU) · 2022

Certificate of Professional Development, Program for participating of Professional Development ‘IN4OBE Virtual Summit 2022’; Webinar 5: Outcome Based Education from an Assessment and Measurement Perspective’
The IN4OBE Bangladesh Chapter at the United International University (UIU) · 2022

Certificate of Professional Development, Program for participating of Professional Development ‘IN4OBE Virtual Summit 2022’; Webinar 6: OBE and Student Engagement’
The IN4OBE Bangladesh Chapter at the United International University (UIU) · 2022

Certificate of Professional Development, Program for participating of Professional Development ‘IN4OBE Virtual Summit 2022’; Webinar 7: Metacognitive Thinking for Successful Problem-Solving Outcomes’
The IN4OBE Bangladesh Chapter at the United International University (UIU) · 2022

Certificate of Professional Development, Program for participating of Professional Development ‘IN4OBE Virtual Summit 2022’; Webinar 8: Technology as an Integrator in Designing STEM for Outcomes-Based Education’
The IN4OBE Bangladesh Chapter at the United International University (UIU) · 2022

Certificate of Professional Development, Program for participating of Professional Development ‘IN4OBE Virtual Summit 2022’; Webinar 9: Facing Your Biggest Implementation Challenges Aligning Curriculum, Instruction, and Assessment with Real Performance’
The IN4OBE Bangladesh Chapter at the United International University (UIU) · 2022

Certificate of Professional Development grow with Google, successfully completing the two-hours Generative AI for Educators course
Google · 2024

Certificate of Professional Development, Program for participating of Professional Development ‘IN4OBE Virtual Summit 2022’; Webinar 11: How You Can Climb OBE’s Mountain of Learner Empowerment’
The IN4OBE Bangladesh Chapter at the United International University (UIU) · 2022

Certificate of Professional Development, Program for participating of Professional Development ‘IN4OBE Global Virtual Summit 2022; Day 1, Day 2 and Day 3’
The IN4OBE Bangladesh Chapter at the United International University (UIU) · 2022

Certificate of Professional Development, Participated in the webinar on ‘5th Industrial Revolution- ‘A Game Changer in the Business of Engineering’
Athena Global Education · 2022

Certificate of Professional Development, Participated in the webinar on ‘Which competences do teacher educators need in supporting teachers online’
British Council · 2022

Certificate of Participation, IEEE Authorship and Open Access Symposium: Tips and Best Practices to Get Published from IEEE webinar
The IEEE Xplore Events Team · 2022

Certification of Paper Presentation, The Twentieth Biannual National Conference
Bangladesh History Association, Department of History, Dhaka University · 2022

Certificate of Participation in the workshop on Empowering Educators to Navigate Classroom Challenges
Eblity (India) Pvt. Ltd. · 2023

Certification of Paper Presentation, 18th International Conference of History & Heritage
Itihas Academy, University of Dhaka · 2023

Certificate of Appreciation, 25th National Art Exhibition 2023
Bangladesh Shilpakala Academy · 2023

Certificate of Appreciation, The 2nd International Conference on Big Data, IoT & Machine Learning (BIM 2023)
Daffodil International University · 2023

Certificate of Appreciation for Judgment in “Visions of the Cosmos: Astro Art and Photography Competition 2024”
DIU Astrophysics Center, Daffodil International University · 2024

Letter of Appreciation, The Best Performing Faculty Members AWARD’ Daffodil International University, Dhaka, 2026.
Daffodil International University · 2026

Certificate of Appreciation, Participation in the Erasmus+ Staff Teaching Mobility Programme and International Week 2026 at Lucian Blaga University of Sibiu (LBUS), Romania, from 11–15 May 2026.
Erasmus+ Staff Teaching Mobility Programme and International Week 2026 at Lucian Blaga University of Sibiu (LBUS), Romania · 2026

Certificate of Honor I conducted a session as a keynote speaker on Introduction to Visual Arts, Cultural Heritage, and Art Appreciation, Faculty of Social Sciences and Humanities Department of History, Heritage and Protestant Theology
Erasmus+ Staff Teaching Mobility Programme and International Week 2026 at Lucian Blaga University of Sibiu (LBUS), Romania. · 2026

LINKS

Website | ORCID | Scopus | Google Scholar