

Course Code	Course Name	Credits
26HS010	ARTIFICIAL INTELLIGENCE AND THE STUDY OF HISTORY	04

Course Objectives

- To introduce the concept, evolution and historiographical significance of Artificial Intelligence in historical studies from a theoretical perspective.
- To familiarize students with key AI-based methodologies such as machine learning, natural language processing, text mining and GIS in historical research.
- To examine the theoretical relationship between historiography and technology including human and algorithmic approaches to historical interpretation.
- To analyze the role of Artificial Intelligence in shaping historical narratives including issues of representation, visualization, counterfactuals and methodological challenges.

Learning Outcomes

Upon successful completion of this course it is intended that a student will be able to:

- Remember the concepts of Artificial Intelligence, digital history and historiography used in historical studies.
- Explain the evolution of AI, major milestones and its theoretical relevance in historical research and interpretation.
- Apply basic theoretical knowledge of AI tools such as NLP, machine learning and GIS in understanding historical sources.
- Analyze the changing nature of historiography under the influence of AI and digital methodologies in history writing.
- Evaluate the role of AI in historical interpretation including its impact on human versus algorithmic understanding of history.
- Develop theoretical perspectives on AI-driven historiography, narrative formation and digital transformation of historical knowledge.

Unit 1 - Introduction to AI and Historical studies 12 Hrs.)

Definition and evolution of AI, Key concepts and history of AI, Relevance of AI in various fields, Key milestones in AI development; Introduction to digital history; Changing nature of historiography, History and methods of AI in historical research.

Unit 2 – AI tools and techniques (12 Hrs.)

Overview of AI in humanities, digital and traditional historical methods, types of AI tools used in history, Machine learning basics, Text mining techniques, Natural Language Processing (NLP), historical text with NLP, digitalization to datafication's, Geographic Information System (GIS).

Unit 3 - AI and Historical interpretation 12 Hrs.)

Nature and scope of historical interpretation, emergence of AI in historiography, Schools of historiography, changing role of historian, Re-reading historical text through algorithms, comparative analysis on human vs AI interpretation.

Unit 4 – Historiography of Technology (12 Hrs.)

Meaning, scope and evolution, Relationship between historiography and technology, AI as a technological development, AI in archival research and data analysis, digital turn in historiography.

Unit 5 - AI and Historical narratives (12 Hrs.)

Meaning, scope and elements of narrative in history, introduction to AI in narrative formation, AI-generated narratives and counterfactual history, challenges and limitations of AI in historical representation, Visualization as narrative representation.

Reference Books:

1. Berry, D. M. (2012). *Understanding digital humanities*. Palgrave Macmillan.
2. Bode, K. (2018). *A world of fiction: Digital collections and the future of literary history*. University of Michigan Press.
3. Boden, M. A. (2016). *AI: Its nature and future*. Oxford University Press.
4. Burke, P. (2005). *History and social theory*. Cornell University Press.
5. Burke, P. (2012). *A social history of knowledge: From Gutenberg to Diderot*. Polity Press.
6. Cameron, F., & Kenderdine, S. (Eds.). (2010). *Theorizing digital cultural heritage: A critical discourse*. MIT Press.
7. Cohen, D. J., & Rosenzweig, R. (2005). *Digital history: A guide to gathering, preserving, and presenting the past on the web*. University of Pennsylvania Press.
8. Manovich, L. (2013). *Software takes command*. Bloomsbury Academic.
9. McCarty, W. (2005). *Humanities computing*. Palgrave Macmillan.
10. Moretti, F. (2013). *Distant reading*. Verso Books.

COs and Bloom's Taxonomy Mapping – 26HS010

Course Outcomes	On successful completion of this course, students will be able to	BTL
CO1	Recall and describe the concept and evolution of Artificial Intelligence, including its key milestones and historical development.	K1, K2
CO2	Apply the role and scope of Artificial Intelligence in the humanities, particularly in transforming historical inquiry.	K3
CO3	Analyze and develop critical thinking skills to assess the reliability, bias, and ethical concerns associated with AI in historical studies.	K4
CO4	Evaluate the impact of the digital turn in historiography, including digitisation, digital archives, and new modes of historical inquiry.	K5
CO5	Design and develop the ability to construct coherent, evidence-based narratives by integrating traditional historical methods with AI-assisted techniques.	K6

BTL (Bloom's Taxonomy Level) - K1 – Remembering, K2 – Understanding, K3- Applying, K4 – Analyse, K5- Evaluate and K6 – Create

Relationship Matrix – 26HS010

Course Outcomes	Programme Outcomes (POs)						Programme Specific Outcomes (PSOs)						Mean Score of Cos
	PO1	PO2	PO3	PO4	PO5	PO6	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	
CO1	3	1	3	2	2	2	1	1	3	2	2	2	2
CO2	1	2	2	2	3	3	2	2	2	2	3	3	2.25
CO3	2	2	3	3	3	1	1	2	2	2	2	3	2.16
CO4	2	2	2	2	1	1	2	1	2	3	3	1	1.83
CO5	2	2	3	3	1	2	2	2	3	2	2	3	2.25
Total													2.09

Mean Score: 3- High, 2- Medium/Moderate, 1-Low