Panipat Institute of Engineering & Technology
Department of CSE-AI&DS
LESSON PLAN

Subject: Human AI Interaction   **Subject code:** PE-CS-AIDS-425A

Session: Aug.- Dec 2023-24   **Semester:** 7th

SNo	Topic	CO Covered	Assignment No.	Teaching Methodology
1	Introduction to advanced automation	CO1		Discussion-Based Learning
2	Introduction to Human-AI Interaction	CO1		Brainstorming
3	Human Needs, Perceptions, and Experiences of Using AI	CO1		Case studies
4	personalization, adaptive systems, prediction/forecasting using AI	CO1		Marker board instruction
5	Cognitive services of AI	CO1	Assignment No.1	Marker board instruction
6	qualitative analysis (visual and natural language processing)	CO1		Marker board instruction
7	Hybrid intelligence systems	CO1		Marker board instruction
8	Black boxing in AI	CO1		Marker board instruction
9	Concrete Human-AI Interaction Designs	CO1		Marker board instruction
10	Intelligence, problem solving & decision making in humans and machines	CO2		Discussion-Based Learning
11	Applied Artificial Intelligence	CO2		Brainstorming
12	Designing interactions with applied artificial intelligence	CO2		Case studies
13	Recommender systems	CO2		Marker board instruction
14	Machine learning (ML) & recommender systems	CO2		Marker board instruction
15	AI interaction and experience design and development	CO2	Assignment No.2	Marker board instruction
16	AI interaction and experience design and development	CO2		Marker board instruction
17	Augment AI to Cope with Limitations of Human Users	CO2		Marker board instruction
18	Concrete Human-Interaction Designs	CO2		Marker board instruction
19	Concrete Human-Interaction Designs	CO2		Marker board instruction

20	Human-AI benefits, victims & disasters	CO3		Discussion-Based Learning
21	Understandable / relatable AI	CO3		Brainstorming
22	Ethical & responsible AI	CO3		Case studies
23	Human-AI ecosystems & markets	CO3		Marker board instruction
24	Interpretability	CO3		Marker board instruction
25	Explainability	CO3	Assignment No.3	Marker board instruction
26	AI Ethics, Fairness, and Equity Human-AI Co-creation in Different Domains	CO3		Marker board instruction
27	AI Ethics, Fairness, and Equity Human-AI Co-creation in Different Domains	CO3		Marker board instruction
28	Interactive Visual Analytics for Machine Learning	CO3		Marker board instruction
29	Interactive Visual Analytics for Machine Learning	CO3		Marker board instruction
30	Application of AI in recent trends	CO4		Discussion-Based Learning
31	AI case studies in autonomous agriculture	CO4		Brainstorming
32	AI case studies in manufacturing	CO4		Case studies
33	AI case studies in transportation	CO4		Marker board instruction
34	AI case studies in finance	CO4		Marker board instruction
35	AI case studies in healthcare	CO4	Assignment No.4	Marker board instruction
36	AI case studies in security	CO4		Marker board instruction
37	AI case studies in social media	CO4		Marker board instruction
38	AI case studies in social media	CO4		Marker board instruction
39	AI case studies in gaming	CO4		Marker board instruction
40	AI case studies in gaming	CO4		Marker board instruction