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Artificial Intelligence Literacy Course Summary

The AI Literacy Course introduces learners to key concepts in three modules - AI Fundamentals, Tools & Practical Use, and Critical Thinking & Ethics. It includes real-world examples with an overall theme of ethical AI use. The lesson plan for each module appears in outline form below.

Objectives

- Establish foundational knowledge of artificial intelligence, including how AI systems are built, trained, and deployed.
- Demonstrate practical skills in using AI tools effectively, including crafting prompts and evaluating outputs.
- Apply critical thinking to assess ethical implications, biases, and responsible use of AI technologies.



Course Outline

Lesson 1: AI Fundamentals

- Understand Large Language Models (LLMs): They predict text based on patterns (e.g., ChatGPT).
- AI Agents: Systems that perceive, decide, and act (e.g., self-driving cars).
- Training Process: Data input, model learning, output generation.

Examples Used: ChatGPT writes essays; Tesla cars navigate roads.

Lesson 2: Tools & Practical Use

- Use AI tools for writing, design, coding (e.g., ChatGPT, Grammarly, Canva, GitHub Copilot).
- Develop effective prompts: Be specific, give context, request format.
- Mini-assessment: Practice generating summaries and posts.

Examples Used: Grammarly improves grammar; Canva creates presentations.

Lesson 3: Critical Thinking & Ethics

- Avoid plagiarism: Cite AI assistance.
- Identify bias in AI outputs and datasets.
- Apply proper citation practices for AI-assisted work.
- Evaluate ethical issues in AI-generated images and ideologies.
- Use AI as a tool, not a crutch—verify output

Example Used: Midjourney creates images; verify authenticity before sharing.