

Unit 3: Digital Literacy and AI Challenges

- **Aim:** Explore AI’s role in digital literacy, focusing on identifying and mitigating AI-driven misinformation.
- **Key Topics:**
 - The relationship between digital literacy and emerging technologies, particularly AI.
 - Ethics in AI usage, including privacy, discrimination, and misinformation concerns
- **Activity:**
 - **Activity 3.1: Exercise on AI and Digital Literacy:** This exercise has participants identify and verify AI-generated content, fostering awareness of AI's role in creating false information
- **Assessment:** Scenario-based questions assessing the ability to identify AI-generated content and articulate the ethical considerations in AI usage.
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Unit 3 Assessment:

- How can AI influence the information you see, and why is it important to evaluate AI-generated content critically?
- Answer: AI algorithms may push content based on past behaviour, potentially reinforcing biases. Understanding AI's influence on content visibility is crucial to ensure exposure to diverse perspectives.

Lesson Plans Templates

Lesson Plan		
Evaluating News Sources		
Module	<i>Module 2 Unit 3</i>	
Total Duration	<i>1.5 hours</i>	
Materials	<ul style="list-style-type: none"> ● <i>Presentation slides on digital literacy and AI in media</i> ● <i>Examples of AI-generated media content (images, articles)</i> ● <i>QR codes or links to AI image and text evaluation quizzes</i> ● <i>Internet-enabled devices for interactive exercises</i> 	
Learning Outcome Matrix	<i>Knowledge</i>	<i>Explain digital literacy concepts, including AI's influence in media</i>
	<i>Skills</i>	<i>Use digital tools to identify AI-generated content</i>

	Attitudes	Develop a critical approach to AI-produced media
	Learning objectives	<ul style="list-style-type: none"> Define digital literacy and its components, including AI literacy Recognize how AI impacts media credibility and interpretation Identify AI-generated content using digital tools
Introduction	Participants will explore digital literacy's scope and its intersection with AI. They'll discuss how AI creates media content and the challenges it poses for distinguishing genuine from manipulated information.	
Theoretical Contents	Introduction to digital literacy, including AI's role in creating media content Discussion on the ethical and practical implications of AI in media	
Learning Activities	<p>Presentation (10 minutes): Overview of digital literacy and the increasing role of AI in media production.</p> <p>Interactive Quiz (20 minutes): Participants complete an online quiz to distinguish between AI-generated and authentic content using QR codes.</p> <p>Group Activity (30 minutes): Groups analyse media content samples to identify AI generation signs, such as inconsistencies, lack of authorship, and visual anomalies.</p>	
Assessment	Participants write a short reflection on how digital literacy can help them recognize AI-produced misinformation, and tell a story of how they were misinformed in the past through digital literacy practices of their past, for example, a scam message or profile, based on AI generated tools	
Useful references and resources for further learning	<p>Streamline Blog's "Real vs. AI Images" (https://www.streamline.us/blog/real-vs-ai-images)</p> <p>Online Quiz: Can You Tell AI Images from Real Photos? Real or AI Quiz: Can you tell the difference? https://britannicaeducation.com/blog/quiz-real-or-ai/ https://sightengine.com/ai-or-not</p> <p>Google can't catch all AI images. Can you? https://www.bloomberg.com/graphics/2023-opinion-google-ai-images-quiz/</p> <p>Tell yourself: Which images are done with AI? https://www.nytimes.com/interactive/2024/01/19/technology/artificial-intelligence-image-generators-faces-quiz.html</p> <p>How good are you at spotting AI images? https://en.teyit.org/teyitpedia/how-good-are-you-at-spotting-ai-generated-images</p>	

Quiz: Understanding Digital Literacy and AI in Media

Question 1

You come across an article online that seems unusual and lacks a clear author. It's labelled as "AI-generated content." What should you consider about this article?

- **A.** It's as trustworthy as any article with an author.
- **B.** It may need extra checking, as AI-generated content can sometimes lack context or accuracy.
- **C.** It's always accurate because it was made by technology.
- **D.** Ignore it because all AI content is unreliable.

Correct Answer: B. AI-generated content can be helpful but may lack depth or context, so verifying its information is important.

Question 2

You see an image on social media of a famous landmark with unusual details. It's captioned "Look how AI changed this place!" How can you verify if this image is real or AI-generated?

- **A.** Believe it if it looks convincing.
- **B.** Check the image with a reverse image search or find similar images on reliable websites.
- **C.** Assume it's fake because it mentions AI.
- **D.** Share it to get other people's opinions.

Correct Answer: B. A reverse image search or comparing it to reliable sources can help verify if the image is real or altered.

Question 3

An AI-generated news article appears very similar to a real news story but has small differences. What's a good approach to ensure you're getting accurate information?

- **A.** Share the article if it seems believable.
- **B.** Find the same news on reputable sites to confirm details.
- **C.** Assume AI-generated news is better because it's newer technology.
- **D.** Ignore the story since AI-generated news can't be trusted.

Correct Answer: B. Cross-checking information with reputable sources is key to verifying any news story, AI-generated or not.

Question 4

A video appears in your feed claiming that a famous celebrity said something controversial. How might AI play a role in making such videos, and what should you do?

- **A.** Trust the video since it's on social media.
- **B.** Be cautious, as AI can create realistic-looking "deepfake" videos, and verify with trusted news sources.
- **C.** Assume it's real if it's shared widely.
- **D.** Ignore it because all celebrity news is unreliable.

Correct Answer: B. AI can produce realistic "deepfake" videos, so it's best to verify such claims with credible news sources.

Question 5

You read an article saying that AI is replacing certain jobs, but it lacks specific details or sources. What's a good approach to understand the impact of AI on jobs?

- **A.** Assume it's true since it's a common concern.
- **B.** Look for additional information on reputable websites that discuss AI's impact on employment.
- **C.** Believe it if it's popular on social media.
- **D.** Ignore it, as AI news is usually exaggerated.

Correct Answer: B. Finding information from reliable sources can help you get an accurate view of AI's actual impact on jobs.