

AI and Tech Planning Document

Topic

AI and Technology-Enhanced Learning Design

Focus

This track integrates topics related to the use of AI in learning environments, including AI's role in eLearning and instructional design. It also encompasses the use of AI in screencasting, AI prompt writing, and AI for course design. Participants will experiment with various AI technologies, use a selected AI tool to develop and implement instructional strategies and communicate with their peers on the overall effectiveness of AI and any challenges or considerations related to using AI in instructional design.

Overview

Over four weeks, participants will research current AI technologies, select tools to experiment with based on intended instructional design contexts, develop prototypes or sample learning activities integrating AI, and compile their experiences into a practical guide on implementing AI in instructional design.

Learning Objectives

After successful completion of this learning activity, you will be able to...

- Evaluate the applicability and effectiveness of various AI technologies in different instructional design contexts.
- Develop and implement AI-integrated instructional strategies. This involves creating hypothetical scenarios, designing AI-assisted learning activities or assessments, and applying AI tools to enhance the learning experience.
- Articulate the challenges and practical implications of integrating AI into instructional design, reflecting on how AI influences design decisions, learner engagement, and the overall effectiveness of the learning environment.

Core Learning Activity- Part 1

Background

The focus is on the exploratory engagement with AI technologies within instructional design. This immersive activity aims to deepen understanding through hands-on experience, collaborative analysis, and reflective synthesis. Participants will use various AI tools to assess their utility and implications in learning design contexts. The outcome will be a collectively constructed knowledge matrix that serves as a resource for informed AI integration in instructional strategies.

Instructions

Part 1: Evaluating Criteria

Outcome: Agreement on AI technology evaluation criteria

Step 1:

Collaboratively develop criteria for determining the usefulness and applicability of AI technologies in instructional design contexts. Post suggestions to the discussion forum by Tuesday. **Due no later than 1/23/2024**

Step 2:

As a team, review proposed criteria and consolidate a final list of 4-5 priority criteria to guide tool evaluation. **Due no later than 1/25/2024**

Part 2: Researching AI Technologies

Outcome: Compilation of research into a shareable matrix document

Step 1:

Conduct independent research on AI technologies that could be applied in instructional design. Investigate tools beyond the provided list.

Step 2:

Populate a collaborative matrix with key details on researched tools such as primary use case, accessibility features, limitations, pricing model, and personal experience. Focus evaluations on agreed-upon criteria.

Step 3:

Share your experiences in the discussion forum by Thursday.

- Most effective tools for instructional design
- Least effective tools for instructional design
- Limitations and challenges of using the tool
- Ideas that came to mind for how to use the tool

Step 4:

Provide feedback on your peers' posts

Due no later than 11:59 PM 1/28/2024

Core Learning Activity - Part 2

Background

Part 2 focuses on the practical integration of AI tools into learning design, shifting from theoretical exploration to hands-on application. This stage is vital for grasping the real-world implications of AI in educational environments. Participants will design and implement AI-enhanced learning experiences, fostering a deeper understanding of AI's potential and limitations in instructional design. This week also offers creativity, peer interaction, and critical reflection on the experiences encountered.

Instructions

Outcome: Trying AI tools firsthand and exchanging experiences

Step 1:

Review the examples below and choose an instructional design scenario, or create your own, to focus on from your context.

- AI-Enhanced Content Curation for a Course: Students use an AI content curation tool to gather and organize the latest research, articles, and multimedia resources relevant to a specific topic. This could be

for an advanced course where keeping up-to-date with current trends and research is vital. The AI tool helps filter and recommend content based on relevance and credibility.

- AI-Powered Language Translation for Global Learning: Use an AI language translation tool to make course materials accessible to non-native speakers. Students would select appropriate AI translation tools and test their effectiveness in accurately conveying course content in multiple languages, ensuring inclusivity and accessibility in a diverse learning environment.
- Employing off-the-shelf AI chatbots like Anthropic's Claude or Ada to simulate conversations with learners for customer service training. Students could integrate the chatbots and design the training dialogue.
- Using an AI image generator like DALL-E or Midjourney to create relevant visuals and illustrations that complement course content automatically. Students could prompt DALL-E to produce images for their course topics.

Step 2:

In the discussion board, share why you chose your topic, what you hope to achieve, and how you hope to achieve it. Remember, this is an example learning activity, so keep it simple.

Complete the first discussion post by 11:59 PM Thursday, 02/01/2024

Step 3:

Respond to peers and provide feedback and support. You may use AI to assist your input, offer suggestions to prompt engineering, suggest other AI tools that may be beneficial, etc. If you use AI, provide the tool and the prompt you used to generate your response.

Respond to peers **no later than 11:59 PM on Sunday, 02/04/2024**

Core Learning Activity - Part 3

Background

Part 3 centers on applying AI tools in specific instructional design scenarios, transitioning from theoretical concepts to actual creation. The aim is to design and produce a tangible AI-enhanced instructional product to address the scenario chosen in Part 2, offering practical experience in integrating AI into learning environments. This phase provides insights into the effective use of AI technologies in enhancing educational experiences.

Instructions

Outcome: Tangible AI-integrated instructional design samples

Step 1:

Use relevant AI technologies to develop your learning activity, assessment, or other instructional output for your scenario.

Step 2:

Share your example by **Friday, 02/09/2024**, for peer review.

Step 3:

Review shared products and provide constructive feedback on shared samples. You may use AI to assist your input, offer suggestions to prompt engineering, suggest other AI tools that may be beneficial, etc. If you use AI, provide the tool and the prompt you used to generate your response.

Peer responses are due no later than 11:59 PM 02/11/2024

Core Learning Activity - Part 4

Background

In Part 4, the course concludes with creating a guide on using AI in instructional design. This guide will compile all the knowledge and experiences from the course into a helpful resource for instructional designers. It will emphasize using AI to create inclusive and effective learning environments.

Instructions

Outcome: Completed guide synthesizing key learnings on applying AI for instructional design.

Step 1:

Meet to narrow AI tool focus to those found most helpful in previous weeks. (Monday evening **02/12/2024**) Review the material from previous weeks, including the AI matrix and relevant examples. Agree on the structure and content of the guide.

Step 2:

Consolidate information from prior weeks into an outline covering AI technologies, evaluation criteria, instructional design examples, and accessibility considerations.

Step 3:

Combine sections into a unified guide—format for readability and accessibility.

Step 4:

Perform a final review to ensure the guide provides helpful, practical advice for instructional designers integrating AI.

Step 5:

Complete final document **no later than 11:59 PM 02/18/2024**