INSTRUCTIONAL DESIGN FRAMEWORK

AI-Enabled Instructional Design

How I integrate AI tools across each phase of the ADDIE model to accelerate development and enhance learning outcomes in regulated industries.

Standard ADDIE Phase AI-Enhanced Step

A 01 ANALYZE

- Performance gap analysis
- Audience & stakeholder interviews
- Regulatory requirements review

AI synthesizes SME interviews & generates learner personas

D 02 DESIGN

- Learning objectives
- Curriculum architecture
- Assessment strategy

AI drafts objectives & storyboard outlines from source content

D 03 DEVELOP

- eLearning build (Storyline / Rise)
- Narration & media production
- Quiz & scenario authoring

AI writes scripts, generates images & AI narration via Storyline

I 04 IMPLEMENT (Potential Use)

- LMS upload & SCORM packaging
- Pilot testing & validation
- Regulatory review

AI could assist with QA checklists & documentation review

E 05 EVALUATE (Potential Use)

- Learner performance data
- Kirkpatrick Levels 1–3(4)
- Continuous improvement cycle

AI could analyze quiz data & surface knowledge gap patterns

AI TOOLS USED IN THIS WORKFLOW

Claude · ChatGPT · Midjourney · Storyline AI Narration · Storyline AI Images