# AI in E-Learning — Engineering & Compliance Decision Sheet

Fora Soft Learn · AI for Video Engineering



## 1 - The feature catalog (the group decides everything)

| | |
|---|---|
| **Understand** | Transcribe, caption, chapter, tag, search. Pipelines: ASR / VLM / embeddings. |
| **Help** | AI tutor (RAG), summaries, study plans, quizzes, dubbing. Pipelines: LLM / TTS. |
| **Judge** | Grading, admissions/placement, proctoring. HIGH-RISK - a different build. |

## 2 - Two clocks: place every feature on the right one

```
Async catalog .. content already exists -> run in a cheap queue (cost per hour, not speed).
Real-time class  live class/tutor/proctor -> sub-100 ms latency budget (a different build).
```

## 3 - EU AI Act risk tiers (sort the feature, then build)

```
LOW-RISK ... convenience (captions, tutor, search, summaries): accuracy + accessibility + privacy.
HIGH-RISK .. Annex III(3): grading, admissions/placement, proctoring -> full regime from 2 Aug 2026.
PROHIBITED  Article 5: inferring students' emotions from faces - banned since 2 Feb 2025.
```

## 4 - Add it: embed / assemble / build + cost math

```
Embed via LTI 1.3 / vendor . days-weeks; vendor handles accuracy & data; margin/data are theirs.
Assemble on AI APIs ..... weeks-months; control the experience; you own integration & privacy.
Build on open models ..... months; audio & data never leave; no per-learner fee; you run it.
Cost: AI draft ~$0.50/lecture-hour (~$25 / 50h course)  vs  human captions $60-$180/hr (99%).
```

## 5 - Compliance gate - before launch (context, not legal advice)

- [ ] Caption to WCAG 2.2 (SC 1.2.2) and the European Accessibility Act - auto-captions are a draft, not access.
- [ ] Correct ASR captions to ~99% accuracy for any video you call accessible; mark human-verified vs auto.
- [ ] Sign a FERPA / GDPR data agreement that forbids the vendor training on your student data.
- [ ] Keep student data out of model weights - prefer RAG over fine-tuning on raw records.
- [ ] Disclose AI to the learner (EU AI Act Article 50): tutor identifies itself; AI content is labelled.
- [ ] Anything that judges a learner (grade/admit/proctor): human-in-the-loop decision + fairness testing.