FAST-07 Projects: Industry-Specific AI Applications for Massachusetts Sectors

Provider: 7formations | Course: FAST-07 | Instructor: Wadood Chaudhary | One capstone and two mini projects

Projects turn the landscape sort, the sector labs, and the regulation-to-rule list into work products trainees use at their workplace. Scoring uses **Not yet / Meets / Strong**. Completion requires Meets on every capstone criterion; mini projects are formative unless the employer asks for scoring. One resubmission allowed. Sanitized or fictional material only; never real customer, patient, or employee data (G.L. c. 93H, 201 CMR 17.00, HIPAA). Training, not legal advice.

Capstone: Industry Use-Case Brief and 45-Day Pilot Plan

Brief. Choose one AI application for a real, recurring task at your workplace. Write a one-page use-case brief (Lab 4 template), then extend it with a 45-day pilot plan your manager could approve. Pitch it to the cohort, revise from critique, and submit both.

Deliverables

1. Landscape note (half page): three real AI applications in your industry, each classified mature, emerging, or unproven, with one line of evidence each.
2. One-page use-case brief: task and current owner, AI method and approved tool, data rules, risks with checks and owners, measurable benefit.
3. Pilot plan (one page): baseline measurement method; who pilots; weekly check routine; stop rule; review date and decision owner.
4. Sample output: one AI-assisted output for the task made with fictional or sanitized input, plus the documented check (what you compared, what you fixed).
5. Peer critique log: questions asked in your pitch and the changes you made.

Step plan

Step	When	What you do
1	After session 1	Pick the task; write the landscape note
2	After session 2	Run the task once with fictional input; record the check
3	After session 3	Add data rules from your W6 list; vendor questions if the AI is inside industry software
4	Session 4	Pitch, critique, revise
5	Within 10 days	Pilot plan; submit

Rubric

Criterion	Not yet	Meets	Strong
Industry accuracy	Uses or rules misdescribed	Uses classified with evidence; rules correctly named for the sector	Cites the specific rule section or guidance and the person who confirmed it
Task quality	Sample output fails the sector standard	Sample output meets the standard after a documented check	Check is built into the workflow (template, checklist)
Risk controls	Generic ("be careful")	Each named risk has a specific check and an owner	Includes a stop rule and an escalation path
Measurability	No baseline or indicator	Indicator, baseline, target, review date	Net benefit accounts for check time and rework
Data safety	Plan requires pasting restricted data	Approved tool; sanitized inputs; data rules applied	Shows how the rule is enforced (tool setting, template field)

Strong vs weak example (Cape Harbor Inn, hospitality)

	Weak	Strong
Task	"Reviews"	"Draft replies to online guest reviews (about 25 per week) for manager approval"
Risk	"AI might say something wrong"	"Reply offers an unapproved refund or comp. Control: manager approves every reply; prompt forbids offers"
Benefit	"Faster replies"	"Median time from review to reply: 52 hours now (4-week sample) to under 12, including approval"
Review	none	"Day 45, general manager decides continue, change, or stop"

Mini project 1: Vendor AI Feature Evaluation

Brief. Pick one AI feature in software your industry uses (EHR ambient documentation, ERP or MES assistant, construction project assistant, claims system assistant, POS or reservation assistant, WMS or route optimization). Using only public vendor material and fictional screenshots, write a two-page evaluation with the questions you would put to the vendor in writing.

Deliverables. Feature description; landscape classification with evidence; data questions (what data, where stored, training use, retention, opt-out); testing questions (tested on businesses like ours, results); control questions (review, override, off switch, logging); your recommendation (pilot, wait, or decline) with reasons.

Rubric

Criterion	Not yet	Meets	Strong
Data questions	Missing or generic	Covers use, storage, training, retention, opt-out	Ties each question to a specific rule (93H, HIPAA BAA, NDA)
Evidence	Relies on marketing claims	Separates claims from evidence	Identifies what evidence would change the recommendation

Criterion	Not yet	Meets	Strong
Recommendation	No decision	Clear decision with reasons	Includes conditions for revisiting

Example question (strong). "Does SmartReply use our guest messages to train or improve any model? If yes, can we opt out at the account level, and will you confirm that in our contract?"

Mini project 2: Sector Do/Don't Card and Five-Minute Team Briefing

Brief. Turn your W6 regulation-to-rule list into a one-page card for your team and a five-minute briefing script (as you would deliver at a shift start or toolbox talk). Get your compliance lead or manager to review it.

Deliverables. The card (8 to 12 testable lines, each with its source); the briefing script; two scenario questions to check understanding; reviewer's name and role and any changes they requested.

Rubric

Criterion	Not yet	Meets	Strong
Testability	Vague lines	Every line checkable as done or not done	Each line has an example of compliance and a violation
Accuracy	Rules misstated	Sources correctly named	Reviewer confirmation documented
Usability	Too long or dense for a briefing	Fits one page; script under five minutes	Piloted with two coworkers and revised

Strong vs weak line. Weak: "Be careful with patient info." Strong: "Never type a patient's name, date of birth, or chart number into any AI tool. Use the approved handout templates instead. (HIPAA Privacy Rule; practice policy 4.2)"