

Artificial Intelligence (AI) in Project and Construction Management Lab for Research & Implementation

Advancing responsible AI research, practical implementation, for project and construction management.

MISSION

The AI PM/CM Lab advances applied research and industry implementation of AI-enabled methods that improve planning, delivery, monitoring, risk management, safety, productivity, and decision support across project and construction management.

CORE FOCUS AREAS

- AI maturity assessment and implementation roadmaps
- AI tools for scheduling, cost, documentation, risk, safety, claims, QA/QC, and productivity
- Digital delivery, project controls, and data-informed decision support
- Responsible AI adoption, governance, and standards-informed implementation
- Workforce development, training, student engagement, and industry outreach

STANDARDS-INFORMED OPPORTUNITY

The Lab builds upon CSULB & Subject Matter Experts (SME) ongoing serving as a U.S. representative in ISO efforts related to AI implementation standards for project, program, and portfolio management.

POTENTIAL OUTCOMES

- Practical AI implementation frameworks and roadmaps
- Project controls and PM/CM workflow improvement tools
- Case studies and lessons learned from industry pilots
- Student research, capstone, and workforce development opportunities

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WHY THIS LAB

AI is rapidly changing how today's projects are planned, managed, delivered, and monitored. The Lab provides a CSULB platform to bridge academic research with and public-agency needs.

RESEARCH & IMPLEMENTATION ACTIVITIES

- Applied research and proof-of-concept pilot projects
- Industry workshops, short courses, and training materials
- Evaluation of AI tools and PM/CM use cases
- Implementation guides, checklists, and readiness assessments
- Collaboration with public agencies, owners, consultants, contractors, and technology providers

COLLABORATION OPPORTUNITIES

Industry and public-sector partners are invited to collaborate on applied research, pilot studies, student engagement, workforce training, and AI implementation strategies for the built environment.

PROPOSED WEBSITE LISTING

The AI PM/CM Lab supports research, implementation, training, and industry collaboration focused on responsible AI adoption in project and construction management.

Website / Redirect Link

[Dr. Elhami Nasr CSULB Faculty Page](#)