



AI Fundamentals for Construction Professionals

Fee: \$400 + HST

Are you ready to harness the power of Artificial Intelligence to streamline processes, enhance safety, and boost productivity on your construction projects?

Developed exclusively for the construction industry, this comprehensive 15-hour course equips professionals with the skills to lead technological transformation. Through seven focused modules, you'll explore AI basics, real-world applications in construction, and strategies for implementing AI solutions in your organization.

This is not a sit and listen event. It is an interactive course with practical exercises, quizzes and industry examples of AI-driven workflows, automation, safety, and digital transformation.

AI knowledge is essential for staying competitive and efficient. Participants will learn how to identify, evaluate, and implement AI tools, and how to leverage AI to improve project management, site operations, and administrative processes.

Learning Outcomes:

- Define fundamental concepts of AI and its applications in construction
- Identify AI-driven solutions for various aspects of construction projects
- Describe the role of AI in enhancing construction project management
- Evaluate and implement AI tools in construction organizations

Who Should Attend:

Attendance is encouraged for those wishing to learn the fundamentals of artificial intelligence, and how they could apply it in their role within the construction industry.

- Construction Project Managers
- Architects and Architectural Designers
- Construction Managers / Site Managers
- Civil Engineers and Structural Engineers
- BIM Managers and Technologists
- Estimators and Cost Consultants
- General Contractors and Subcontractors
- Construction Superintendents
- Procurement and Supply Chain Managers
- Field Inspectors and Surveyors
- Owners and Directors

Anyone seeking to integrate AI into construction workflows

This course provides a practical introduction to artificial intelligence in construction, covering fundamental AI concepts and terminology, as well as real-world applications across industry. You will explore how AI is transforming design and engineering through generative design and BIM, automating project management workflows, enhancing



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site safety and equipment optimization, and streamlining procurement, supply chain, and administrative tasks. The course also addresses strategies for evaluating, integrating, and scaling AI solutions within construction organizations, ensuring participants are equipped to lead digital transformation and drive innovation on their projects.

Gold Seal credits: 5