

AI for Construction: Text & Image Prompting

Learn to craft text and image prompts for construction planning, documentation and communication, applied ethically and responsibly.

1 Day

8 HOURS

4

MODULES

22

TOPICS

4

HANDS-ON ACTIVITIES

COURSE OVERVIEW

The AI in Construction: Prompt, Create, Build Responsibly course is designed to equip learners with the skills to leverage generative AI technologies effectively in the construction industry. This course encompasses a range of modules that delve into the intricacies of AI, with a strong emphasis on Prompting techniques and their practical applications. Module 1 introduces the significance of Generative AI and the art of crafting effective prompts to generate useful outputs. It covers the use of prompts in common software like Excel and PowerPoint, enhancing productivity and creativity. Module 2 focuses on Text prompting to streamline project documentation, knowledge sharing, and client communication, while also fostering innovation. In Module 3, learners explore Image prompting to create visual aids, blueprints, and site maps that are vital in construction planning and communication. Finally, Module 4 addresses the ethical dimensions, emphasizing Responsible prompting to ensure clarity, ethical compliance, data privacy, and the importance of human oversight in AI applications. Through this comprehensive course, learners will become proficient in integrating AI into construction workflows, leading to more efficient, innovative, and responsible project outcomes.

Who Should Attend

The “AI in Construction: Prompt, Create, Build Responsibly” course equips construction professionals with AI-driven techniques to enhance efficiency and promote responsible building practices. This course is ideal for:

Construction Project Managers

Site Engineers and Supervisors

Architects and Design Professionals

Civil Engineers

Construction Safety Officers

Construction Equipment Managers

Building Information Modeling (BIM) Managers

Construction IT Specialists

Technical Construction Consultants

Construction Quality Assurance Personnel

Construction Industry Trainers and Educators

Construction Research and Development Professionals

Innovation Managers within Construction Firms

Construction Compliance and Regulatory Officers

Client Relations Managers in Construction Companies

LEARNING OBJECTIVES

- Explain the importance of Generative AI in construction
- Apply prompting techniques in Excel and PowerPoint
- Develop text prompts for project planning and documentation
- Apply text prompting for client communication and training
- Generate image prompts for blueprints and site maps
- Create visual aids and safety infographics using image prompts
- Identify ethical considerations in AI prompting
- Apply data privacy and human oversight in AI use

COURSE SYLLABUS

4 Modules, 22 Topics

01

20 minutes

Quiz

Generative AI & Prompting Techniques

TOPICS

Why is Generative AI important? · Importance of Prompting & Techniques · Prompts for Excel and PowerPoint

02

Quiz

Text Prompting for the Construction Industry

TOPICS

- Project Planning and Documentation
- Training and Knowledge Sharing
- Troubleshooting and FAQs
- Material and Equipment Research
- Language Translation
- Health and Safety Guidelines
- Client Communication
- Innovation and Idea Generation

03

Quiz

Image Prompting for the Construction Industry

TOPICS

Visual Aids for Presentations · Blueprints and Design Drafting · Safety Instructions and Infographics · Equipment and Machinery Diagrams · Site Maps and Layouts

04

Quiz

Responsible Prompting for the Construction Industry

TOPICS

Clarity in Instructions · Ethical Considerations · Verification and Fact-Checking · Data Privacy and Confidentiality · Adherence to Policies and Regulations · Human Oversight

HANDS-ON ACTIVITIES

Practise What You Learn

#	MODULE	ACTIVITY
01	Generative AI & Prompting Techniques	Quiz 01: Prompting Techniques
02	Text Prompting for the Construction Industry	Quiz 02: Text Prompting
03	Image Prompting for the Construction Industry	Quiz 03: Image Prompting
04	Responsible Prompting for the Construction Industry	Quiz 04: Responsible Prompting



WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

FLEXIBLE DELIVERY

Learn the Way That Suits You

Classroom Training

Live Online Classes (ILO)

Fly-Me-A-Trainer (FMAT)

Flexi (Self-Paced)

1-on-1 Training

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