

AI Project Management

40 Hours



Course Overview

The AI Project Management course is designed to equip professionals and managers with the ability to lead AI projects end-to-end—from identifying opportunities and defining business value, to managing development and implementation.

Participants will learn how to translate business needs into AI solutions, work effectively with technical teams, and manage processes that connect data, models, and organizational workflows.

The program combines three core elements: understanding AI technologies and their limitations, applying structured project management methodologies, and leveraging business thinking to identify high-value use cases and evaluate ROI.

Target Audience

- Project managers and product managers
- Business analysts and BI professionals
- Managers involved in innovation processes
- Data and technology professionals aiming to transition into leadership roles
- Business unit leaders interested in identifying and leading AI initiatives

What You'll Gain

- Understanding of GenAI tools and technologies
- Ability to evaluate business value versus development complexity (ROI)
- Skills to define AI use case feasibility
- Capability to scope and plan GenAI projects
- Ability to identify risks in AI projects
- Knowledge and methodology required to manage GenAI projects

Course Syllabus

Module 1: GenAI Fundamentals

- Introduction to GenAI
- Key differences between traditional AI and GenAI models
- Model types: LLMs, diffusion models, multimodal models
- What is a prompt and its components
- Leading LLM models in the market
- Public models vs. private environments

Module 2: Knowledge Bases for AI Models

- Context and its limitations
- Conversation history
- Textual document sources
- Relational databases
- Embedding models
- Vector databases
- RAG architecture (Retrieval-Augmented Generation)
- Model response quality based on provided data

Module 3: Use Case Identification and Definition

- GenAI project milestones
- Role and responsibilities of business stakeholders
- Understanding business processes
- Identifying pain points, defining business value, and ROI evaluation
- Data sources overview
- Data handling strategies and knowledge base definition
- Data ingestion services
- Data retrieval services
- Project risk assessment

Module 4: GenAI Project Scoping

- Business validation and fine-tuning
- Ongoing quality testing
- Version management
- KPI definition
- MVP definition
- Full project definition
- Key milestones planning

Module 5: Agents, Tools, and Platforms

- Chatbots
- AI agents / Agentic AI
- GenAI workflows (flows)
- Using GenAI tools within agents
- MCP servers
- Model monitoring, tracking, and control
- Leading platforms in the Agentic AI ecosystem

Final Exercise: Business Specification & Requirements Document

Objective: Develop a comprehensive business specification and project requirements document.

Components:

- Full business case development
- Technical requirements specification
- Project timeline and milestones
- Success criteria and measurement framework

Why Naya College?



Specialization in Data and AI – Naya College is Israel's leading, most established, and only college specializing in the world of data & AI since 2010.



Leading Instructors – All of Naya College's instructors are experienced managers from Israel's data industry.



Learn technology from a true tech company – Naya College is much more than a college. We live and breathe technology and lead the remote-learning course industry. Throughout the course, you will learn using the most advanced technologies in the field, and the course learning experience is based on practical, real-world experience.



Personal Consultation and Guidance – Not sure which track is right for you? In a personal consultation call, we'll understand your experience, goals, and aspirations, and help you choose the training program that best suits your career path.



Flexible Payment Options – Convenient installment plans with no registration fees, so you can start learning with peace of mind and focus on your success.



Support All the Way to Employment – Career development workshops, interview preparation workshops, job-matching support, and connections to leading companies.



Full Flexibility in Learning – No obligation to attend class. All classes are recorded on Zoom and students can complete the lessons at their own pace.

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Take the first step with a professional program, personal guidance and a connection to the world of work.

For any questions, feel free to contact us by phone or email:

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