



Consulting and Training | Reach New Heights

Course Name

Artificial Intelligence and Future Foresight in Engineering

Sector Name

Artificial Intelligence (AI)

Sector Name

Digital Transformation and Innovation

Document Type

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Artificial Intelligence and Future Foresight in Engineering

Course Introduction

Artificial intelligence (AI) is increasingly finding its way into industrial and manufacturing contexts. There are even AIs being used to conduct high-frequency trading on the stock market. AIs have a great deal to offer the world of engineering. Some of the most exciting current and prospective uses of artificial intelligence are within the field of engineering. With the rapid evolution of technology, there will be an increased need for engineers to research, create, and test AI systems.

Concepts of Artificial Intelligence

This training course is designed to provide participants with the various concepts of Artificial Intelligence, like Machine Learning with Python, Deep Learning with TensorFlow, Artificial Neural Networks, Statistics, Data Science, SAS Advanced Analytics, Tableau Business Intelligence, Python and R programming, Build Chatbots with Watson Assistant, and MS Excel through hands-on projects. This course will also provide an overview of future foresight and the concepts that will help participants gain knowledge and skills in futures studies in a visionary and futures-oriented way.

Artificial Intelligence and Future Foresight in Engineering

Target Audience

- ✓ Business and technology leaders
- ✓ Business Unit Managers
- ✓ Business Development Consultants
- ✓ General Managers / Regional Managers
- ✓ Senior and mid-level leaders
- ✓ Individual leaders of all levels in the organization
- ✓ Art Director
- ✓ Marketing Consultants
- ✓ Marketing Development Manager

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Artificial Intelligence and Future Foresight in Engineering

Learning Objectives

- ✓ Gain a comprehensive understanding of Artificial Intelligence in Engineering and future foresight concepts.
- ✓ Recognize the efficient designs of machine learning systems.
- ✓ Build Artificial Neural Networks and Statistical Models
- ✓ Know and apply Deep Learning techniques and work with TensorFlow
- ✓ Learn the benefits of systematic futures thinking
- ✓ Understand the basic futures studies methodologies

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Course Outline

✓ Day 01

Introduction to the Artificial Intelligence domain

- ✓ How Data science and Artificial Intelligence overlap
- ✓ Importance of Python coding for data analytics

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Course Outline

✓ Day 02

The efficient design of Machine Learning systems

- ✓ SAS tool for data analytics, modeling, and visualization
- ✓ Working with the Tableau interactive dashboard and reports

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Course Outline

✓ Day 03

MS Excel calculations, tables, and formulae

- ✓ R Statistical computing for Data Science
- ✓ Building of Artificial Neural Networks and Statistical Models

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Course Outline

✓ Day 04

Deep Learning techniques and working with TensorFlow

- ✓ Origins and development of futures thinking
- ✓ Role of foresight in today's world

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Course Outline

✓ Day 05

Key concepts of foresight

- ✓ Scenario planning, horizon scanning, megatrends, weak signals, and wild cards
- ✓ Ethics of foresight
- ✓ How to apply foresight methods in our work

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Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
Aug. 17, 2026	Aug. 21, 2026	5 days	4250.00 \$	UAE , Dubai
June 8, 2026	June 12, 2026	5 days	4950.00 \$	England , London
Nov. 30, 2026	Dec. 4, 2026	5 days	4250.00 \$	UAE , Dubai
Jan. 10, 2027	Jan. 14, 2027	5 days	4250.00 \$	KSA , Dammam

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