

# aractech

Global Learning for Operational Leaders

DIGITAL INNOVATION AND TRANSFORMATION

## Certificate in Artificial Intelligence for Executives

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# Course content

## Why Attend

Course Introduction

Artificial Intelligence (AI) involves the capability to think and act rationally, and its application in business has become crucial for optimizing operations and achieving efficient results with minimal effort and cost.

## Course Methodology

## Course Objectives

## Target Audience

# Course outline

## Detailed course outline

Day-by-day outline for Certificate in Artificial Intelligence for Executives.

### Day 1 - An Overview of Artificial Intelligence

- Introduction to AI and Success Stories
- Human Intelligence vs Artificial Intelligence
- History of AI
- Intelligent Agents and Their Roles
- Limits of Artificial Intelligence
- Intelligent Decision Making

### Day 2 - Intelligent Agents

- Introduction to Agents
- Different Types of Agents
- Knowledge-base and Data Base
- Logic Reasoning
- Unification
- Deduction Processes

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### Day 3 - Machine Learning

- Supervised and Unsupervised Learning
- Classification and Clustering
- Artificial Neural Networks
- Learn by Examples
- Object Recognition
- Features and Classes

### Day 4 - Fuzzy Logic

- Introduction to Fuzzy Thinking
- Fuzziness vs Probability
- Fuzzy set and Fuzzy Rules
- Importance of Fuzzy logic
- Real example of Fuzzy Controllers
- Building a Tiny Machine Learning Application

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### Day 5 - Genetic Algorithm

- Overview of Genetic Algorithms
- The Need for Optimization, Maximization, and Minimization
- How GA Work and Evolve
- Genetic Algorithm Chromosomes, Genes, Selection, Mutation and Crossover
- Dimension to Use Genetic Algorithm
- Real Genetic Algorithm Examples to Optimize Business Processes

# Seminar dates

## Available seminar dates

Live dates and pricing for Certificate in Artificial Intelligence for Executives generated from the course details page.

Date	Location	Format	Fee
15 - 19 June 2026	Vienna	Classroom	€2,975
20 - 24 July 2026	Barcelona	Classroom	€2,695
3 - 7 August 2026	Paris	Classroom	€3,150
7 - 11 September 2026	Frankfurt	Classroom	€2,275
12 - 16 October 2026	Barcelona	Classroom	€2,695
9 - 13 November 2026	Frankfurt	Classroom	€2,275
14 - 18 December 2026	Rome	Classroom	€2,975

**Live online option**

Online delivery is available at €1,250.