

aractech

Global Learning for Operational Leaders



IT MANAGEMENT AND CYBER SECURITY | IMCS-002

Certified Artificial Intelligence Practitioner (CAIP)

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Course content

Why Attend

The Artificial Intelligence Practitioner Training Course is designed to equip professionals with the knowledge and hands-on skills needed to harness the power of AI for solving complex business challenges.

As organizations strive for greater efficiency and agility, Artificial Intelligence emerges as a transformative force enabling smarter decision-making, automation, and innovation across various industries.

Course Methodology

Course Objectives

- Develop many AI skills necessary to get work completed in less time
- Understand how to plan using logic
- Explain how to imitate human neural network in classification
- Understand how to design a Machine Learning based applications
- Analysis and Design AI Application

Target Audience

- This training course is suitable to a wide range of professionals but will greatly benefit:
- Project Managers
- Office Managers
- Leaders

Course outline

Detailed course outline

Day-by-day outline for Certified Artificial Intelligence Practitioner (CAIP).

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 Certified Artificial Intelligence Practitioner (CAIP) generated from the course details page.

Date	Location	Format	Fee
15 - 19 June 2026	Frankfurt	Classroom	€2,275
20 - 24 July 2026	Barcelona	Classroom	€2,695
3 - 7 August 2026	Frankfurt	Classroom	€2,275
7 - 11 September 2026	Rome	Classroom	€2,975
12 - 16 October 2026	Kuala Lumpur	Classroom	€1,575
9 - 13 November 2026	Barcelona	Classroom	€2,695
14 - 18 December 2026	London	Classroom	€2,940

Live online option

Online delivery is available at €1,250.