ICAgile - Foundations of AI (ICP-FAI) Training

Duration: **1 Day**

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Artificial Intelligence is no longer a temporary trend. It is becoming a permanent part of how professionals work, make decisions and create value. Understanding how to approach and apply AI effectively is therefore becoming an increasingly important workplace capability.

ICAgile - Foundations of AI (ICP-FAI) introduces learners to the essential concepts of AI through an accessible and business-focused approach. Real-world examples and practical prompt engineering guidance help participants understand how AI can be applied across both professional and personal contexts.

During this one-day course, learners explore how Artificial Intelligence and machine learning can complement existing skills, support creativity and help work get completed more efficiently. The program also provides context around the history of AI, its development over time and the changing state of the technology.

A significant part of the course focuses on prompt engineering. Learners examine how effective prompts are structured, why context plays such an important role, and how different approaches to prompting can influence the quality and usefulness of AI-generated results.

The course also explores ethical challenges associated with AI, including bias and responsible use. In addition, learners consider how Agile principles and behaviours can support AI initiatives and how organisations can connect AI adoption with wider business strategy.

Prerequisites

Learners should have a basic familiarity with Agile principles and practices.

No previous knowledge or experience of Artificial Intelligence is required.

Who Should Attend

This course is suitable for a broad range of professionals, including:

- Software developers
- Data scientists
- Business analysts
- Project managers
- Operations managers
- Product managers
- Marketing professionals
- Sales professionals
- Finance professionals
- HR professionals
- Senior leaders
- Executive teams
- Team and department managers

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What You Will Learn

By the end of the course, learners will be able to:

- Explain the history and evolution of Artificial Intelligence and machine learning.
- Understand the core concepts shaping the current AI landscape.
- Develop more effective prompt engineering techniques.
- Recognise the importance of context and structure when creating prompts.
- Identify ethical challenges associated with the use of AI.
- Recognise potential sources of bias within AI systems.
- Apply responsible and ethical approaches to AI usage.
- Relate Agile behaviours to AI initiatives.
- Align AI opportunities with organisational strategy.
- Develop a basic understanding of AI maturity within an organisation.

Training Outline

1. Introduction to Artificial Intelligence

This section introduces the main concepts behind AI and provides context on how the technology has developed.

History and Evolution of AI

- Understanding Artificial Intelligence
- The history of AI
- Key pieces of the AI ecosystem
- The evolving state of AI
- The role of machine learning within AI

2. Ethics of Artificial Intelligence

This section explores the ethical questions and risks that can arise when AI technologies are used.

- Ethics in the context of AI
- Responsible use of Artificial Intelligence
- Ethical decision-making
- Inherent and data-driven bias in AI systems
- The impact of bias on AI outcomes
- Maintaining appropriate human responsibility

3. Leveraging Artificial Intelligence

This section examines how AI capabilities can be combined with Agile approaches to support more effective working practices.

The Agile Advantage

- Agile mindset and AI

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- Applying Agile behaviours to AI initiatives
- Iterative and experimental approaches to AI
- Cross-functional teams and AI
- Collaboration between technical and business functions

4. Prompt Engineering

Prompt engineering forms a practical core element of the program.

- Introduction to prompt engineering
- Fundamental principles of effective prompt design
- Writing clear and useful instructions
- Understanding why context is important
- Comparing different prompt structures
- Why all prompts do not produce equal results
- Techniques for improving the quality and usefulness of AI outputs

5. Artificial Intelligence in the Enterprise

This section moves beyond individual AI usage to consider how AI can create value across an organisation.

Bringing AI into the Organisation

- Understanding the business value of AI
- Identifying suitable AI use cases
- Aligning AI initiatives with organisational strategy
- Understanding AI maturity
- Comparing traditional initiatives with AI initiatives
- Real-world examples of AI adoption
- Evaluating how AI investments contribute to business objectives

Certification

ICAgile accreditation is achieved through attendance and full participation throughout the course.