

BCS Essential Certificate in Artificial Intelligence (AI)

Learn via: **Classroom / Virtual Classroom / Online**

Duration: **1 Gün**

Overview

Artificial Intelligence (AI) is a methodology for using a non-human system to learn from experience and imitate human intelligent behaviour. The BCS Essentials Certificate in Artificial Intelligence tests a candidate's knowledge and understanding of the terminology and the general principles. This course covers the potential benefits; types of Artificial Intelligence; the basic process of Machine Learning (ML); the challenges and risks associated with an AI project, and the future of AI and Humans in work.

Prerequisites

There are no specific pre-requisites for the entry to the course or examination, although a good knowledge of computers and a basic understanding of data using computers (e.g. spreadsheets) is highly recommended.

What You Will Learn

Learners will be able to demonstrate a basic knowledge and understanding of general concepts in the following areas:

- Human and Artificial Intelligence;
- The Machine Learning process;
- The benefits, challenges and risks of a Machine Learning project;
- The future of humans and machines in Work.

Target Audience

The Artificial Intelligence Essentials course is focussed on individuals with an interest in, (or need to implement) AI in an organisation, especially those working in areas such as science, engineering, knowledge engineering, finance, or IT services.

The following roles could be interested:

- Engineers
- Scientists
- Professional research managers
- Chief technical officers
- Chief information officers
- Organisational change practitioners and managers
- Business change practitioners and managers
- Service architects and managers
- Program and planning managers
- Service provider portfolio strategists / leads
- Process architects and managers
- Business strategists and consultants
- Web page developers

Outline

Artificial and human intelligence - an introduction and history

- General definition of human and Artificial Intelligence (AI)
- Learning from experience and how it relates to Machine Learning (ML)
- ML and Growth of AI

Opportunities for an AI system

Examples of AI – benefits, challenges and risks

- Benefits of AI
- Challenges of AI
- Risks of AI
- Funding sources for AI projects
- Opportunities for AI

Machine Learning

- AI intelligent agent description
- Examples of Machine Learning
- AI capability useful in ML and AI agents' functionality
- Examples of forms of Machine Learning

Maturity and funding of an AI system

The future of artificial intelligence – human and machine together

- AI driving humans and machines to work together
- Future directions of humans and machines working together