

# EXIN BCS Artificial Intelligence Foundation



## CATEGORY

Artificial Intelligence



## LEVEL

Foundation



## DURATION

3 days

## COURSE DELIVERY

Classroom or virtual Classroom

## TARGET AUDIENCE

This certification is designed for individuals interested in implementing AI within their organizations, particularly those in fields such as science, engineering, knowledge engineering, finance, education, or IT services.

## PREREQUISITES

No prerequisite.

## EXAM INFO

- Closed-book format
- 40 multiple-choice questions
- Pass mark: 65%
- The exam lasts 60 minutes
- Online exam

## CERTIFICATE

EXIN BCS Artificial Intelligence Foundation

## EXAM BODY

EXIN

## COURSE DESCRIPTION

The **EXIN BCS Artificial Intelligence Foundation** certification provides a comprehensive introduction to Artificial Intelligence (AI), focusing on its terminology, general principles, and practical applications. This course explores AI's role in 'Universal Design' and the 'Fourth Industrial Revolution,' emphasizing ethical considerations, human-machine collaboration, and the development of machine learning toolsets.



## COURSE AND LEARNING OBJECTIVES

Upon completion of this course, participants will be able to:

- Describe how AI integrates into 'Universal Design' and the 'Fourth Industrial Revolution.'
- Understand the concept of intelligent agents within AI.
- Explain the benefits and challenges associated with AI.
- Comprehend data learning processes, including relevant software and hardware functionalities.
- Recognize the dynamics of human-machine collaboration, particularly through machine learning.
- Describe a 'Learning from Experience' Agile Approach to Projects.

## COURSE APPROACH

The course employs a blend of theoretical instruction and practical application, utilizing case studies and real-world examples to illustrate AI concepts. Participants will engage in interactive sessions to develop a machine learning toolbox, fostering a hands-on understanding of AI implementation. Ethical considerations and the evolving roles in human-machine collaboration are integral components of the learning experience.

# EXIN BCS Artificial Intelligence Foundation



## EMPOWERING PROFESSIONALS

As MindMachine, we have trained more than 65,000 professionals over Asia and Oceania since 2001.

Our focus in our training is to empower our participants by balancing practical experience and the theoretical background. The participants walk away with knowledge to apply the learnings and the theoretical background to successfully pass the exam requirements.

Our education portfolio ranges from courses in business services and processes to IT services and processes. This portfolio has enabled us to support our clients end to end in their organizations and enable energy throughout corporate value chains.

[www.MindMachine.com/education-solutions/](http://www.MindMachine.com/education-solutions/)



© Copyright 2025, MindMachine Asia Sdn. Bhd. All rights reserved. No part of this publication may be reproduced, transferred and/or shown to third parties without prior written consent of MindMachine.



Please Recycle

## COURSE STUDENT MATERIAL

Students will receive an EXIN BCS Artificial Intelligence Foundation classroom workbook containing all of the presentation materials, course notes, case study and sample exams.

## CONCEPTS COVERED

### 1. Introduction to AI and Historical Development

- Key definitions of Artificial Intelligence (AI) terminology
- Key milestones in the development of AI
- Types of AI
- Societal impact of AI
- Sustainability measures to reduce AI's environmental impact

### 2. Ethical and legal considerations

- Ethical concerns in AI, including bias and privacy
- Importance of guiding principles for ethical AI development
- Strategies to address ethical challenges in AI projects
- Role of regulations in AI
- Process of risk management in AI

### 3. Enablers of AI

- Common examples of AI applications
- Role of robotics in AI systems
- Machine learning
- Common machine learning concepts
- Supervised and unsupervised learning processes

### 4. Finding and using data in AI

- Key data terms relevant to AI
- Data quality characteristics and their importance in AI
- Risks associated with data handling and strategies to mitigate them
- Purpose and use of big data

- Data visualization techniques and tools
- Key generative AI terms
- Purpose and application of generative AI, including large language models
- Role of data in training AI within the machine learning process

### 5. Using AI in your organisation

- Opportunities for implementing AI in an organization.
- Contents and structure of a business case
- Stakeholders for an AI project
- Project management approaches
- Risks, costs, and benefits associated with a proposed solution
- Ongoing governance activities required when implementing AI

### 6. Future planning and impact – Human plus machine

- Roles and career opportunities emerging with AI
- Real-world applications of AI
- AI's impact on society and the future of AI
- Consciousness and its impact on ethical AI