

NCC EDUCATION SHORT COURSE IN  
ARTIFICIAL INTELLIGENCE (AI)

# ARTIFICIAL INTELLIGENCE IS SHAPING THE FUTURE OF BUSINESS

83% of  
businesses say  
AI is a strategic  
priority for their  
businesses  
today (*Forbes*)

Understanding Artificial Intelligence (AI) is critical to business thinking and the formulation of effective company growth strategies.

In exploring the framework for AI, this course will give you the opportunity to embed a practical application of the key themes that shape AI, putting you at the forefront of future career opportunities.

## Course overview

Up to 80 hours of learning content with an exciting blend of theory and practical activities, this short course has been designed with flexibility in mind as a working professional or entry level graduate. The course structure can be tailored to meet the needs of learning cohorts:

Topics covered:

- Introduction to AI
- Problem Solving Using Search
- Knowledge Representation
- Uncertain Knowledge
- Fuzzy Logic
- Machine Learning
- Neural Networks
- Decision Trees
- Genetic Algorithms
- Expert Systems
- Natural Language Processing
- Intelligent Agents

## Opportunities

Demand for AI talent has doubled in the last two years. Technology and financial service companies are currently absorbing 60% of AI talent. (MMC Ventures)

More than half of senior AI professionals report there is a skills gap in the recruitment of new scientists - a veritable "talent crisis," according to an Ernst & Young report

## Learning outcomes

- Understand the importance of AI and its applications.
- Apply a range of well-established AI search strategies and knowledge representation techniques in problem solving.
- Assess a range of well-established techniques for reasoning with uncertain knowledge.
- Understand a range of machine learning techniques.
- Implement and evaluate a range of AI models and techniques for solving real-world problems.

## Potential AI career paths

AI Architect

Business Intelligence Developer

Big Data Engineer

Data Scientist

Machine Learning Engineer

### Programming tools used:



## About NCC EDUCATION

NCC Education learning programmes have boosted the careers of over 1 million graduates worldwide, having gone on to work for multinational companies, SMEs or setting up their own businesses. The British degree pathways allow students to complete their qualifications at their own pace from anywhere in the world.

In 2021 a professional learning programme Fundamentals by NCC Education was a finalist in an international digital learning competition hosted by the Asian Development Bank.

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