



# Artificial Intelligence and Innovation

## Fundamentals of Applied Artificial Intelligence

- Location: London
- Date: From 20/1/2025 To 24/1/2025
- Investment: \$5950 (Excluding VAT)



LONDON ROYAL  
ACADEMY


[WWW.LONDONRA.COM](http://WWW.LONDONRA.COM)



## Course Introduction

Fundamentals of Applied Artificial Intelligence is a 5-day intensive course designed to provide participants with a foundational understanding of Artificial Intelligence (AI) concepts and their practical applications. This course will cover key AI technologies, their business implications, and the skills necessary to effectively leverage AI within organizations.

## Training Method

- Pre-assessment
  - Live group instruction
  - Use of real-world examples, case studies and exercises
  - Interactive participation and discussion
  - Power point presentation, LCD and flip chart
  - Group activities and tests
  - Each participant receives a binder containing a copy of the presentation
  - slides and handouts
  - Post-assessment
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## Course Objectives

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

- Understand the core concepts of AI: Including machine learning, deep learning, natural language processing, and computer vision.
- Identify potential applications of AI: Within their respective industries and business functions.
- Evaluate the ethical and societal implications of AI technologies.
- Develop basic AI literacy and be able to communicate effectively about AI with technical and non-technical audiences.
- Gain practical experience with AI tools and platforms (e.g., through hands-on exercises or case studies).

## Who Should Attend?

This course is suitable for:

- Business professionals: From various departments (marketing, sales, operations, finance, HR)
  - Project managers: Seeking to understand and incorporate AI into projects
  - Entrepreneurs and innovators: Exploring AI opportunities for their businesses
  - Students and recent graduates: Interested in pursuing careers in AI or data science
  - Anyone seeking to enhance their understanding of AI and its impact on the world
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# Course Outline

## Day 1: Introduction to Artificial Intelligence

- What is AI?
  - o Defining AI, machine learning, and deep learning
  - o History and evolution of AI
  - o Key AI technologies and their applications
- Types of AI:
  - o Supervised, unsupervised, and reinforcement learning
  - o Narrow AI vs. General AI
- AI and Business:
  - o The impact of AI on business and society
  - o Identifying potential AI applications within organizations

## Day 2: Machine Learning Fundamentals

- Supervised Learning:
  - o Regression, classification, and other supervised learning algorithms
  - o Training and evaluating machine learning models
- Unsupervised Learning:
  - o Clustering, dimensionality reduction, and anomaly detection
- Hands-on Exercise:
  - o Introduction to a basic machine learning tool or library (e.g., scikit-learn,

## Day 3: Deep Learning and Neural Networks

- Introduction to Deep Learning:
    - o Neural networks and deep neural networks
    - o Convolutional Neural Networks (CNNs) for image recognition
    - o Recurrent Neural Networks (RNNs) for natural language processing
- github.com  
saturncloud.io

# Course Outline

- Applications of Deep Learning:
  - o Computer vision, natural language processing, and speech recognition
  - o Deep learning in various industries (healthcare, finance, etc.)

## Day 4: AI Ethics and Societal Impact

- Ethical Considerations:
  - o Bias in AI algorithms
  - o Privacy and security concerns
  - o Job displacement and the future of work
- Responsible AI Development:
  - o Fairness, accountability, and transparency
  - o Developing and implementing ethical AI guidelines
- The Future of AI:
  - o Emerging trends and future directions in AI research and development

## Day 5: AI Tools and Applications

- Exploring AI Tools and Platforms:
  - o Hands-on experience with AI tools and platforms (e.g., Google Cloud AI Platform, Amazon Sage Maker)
  - o Case studies of successful AI applications
- Preparing for the Future of AI:
  - o Developing AI literacy and skills
  - o Building a career in the AI field
  - o Adapting to the changing world of work

# Registration & Payment

Complete & Mail to London Royal Academy or email  
registration@londonra.com



## Registration Form

- Full Name (Mr / Ms / Dr / Eng) .....
- Position .....
- Telephone / Mobile .....
- Personal E-Mail .....
- Official E-Mail .....
- Company Name .....
- Address .....
- City / Country .....

## Payment Options

- ☐ Please invoice me
- ☐ Please invoice my company







# Terms & Conditions

Complete & Mail to London Royal Academy or email

[registration@londonra.com](mailto:registration@londonra.com)



## Cancellation and Refund Policy

Delegates have 14 days from the date of booking to cancel and receive a full refund or transfer to another date free of charge. If less than 14 days' notice is given, then we will be unable to refund or cancel the booking unless on medical grounds. For more details about the Cancellation and Refund policy, please visit

[www.londonra.com/terms-and-conditions/](http://www.londonra.com/terms-and-conditions/)

## Registration & Payment

Please complete the registration form on the course page & return it to us indicating your preferred mode of payment. For further information, please get in touch with us

## Course Materials


The course material, prepared by the LRA, will be digital and delivered to candidates by email

## Certificates

Accredited Certificate of Completion will be issued to those who attend & successfully complete the programme.

## Travel and Transport

We are committed to picking up and dropping off the participants from the airport to the hotel and back.



# VENUES

 **LONDON**

 **BARCELONA**

 **KUALA LUMPER**

 **AMSTERDAM**

 **ISTANBUL**

 **SINGAPORE**

 **PARIS**

 **DUBAI**

# OUR PARTNERS





# THANK YOU

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