Computers and Information Technology · IT262

# Artificial Intelligence

Demystifying the Future

| Duration | Category | Ref |
|---|---|---|
| **1 Week** | **Computers and Information Technology** | **IT262** |
| Language | Certificate | |
| **English** | **Certificate of attendance** | |

## Introduction

The world is on the cusp of a new era, powered by Artificial Intelligence (AI). From self-driving cars to AI-powered healthcare, AI is rapidly transforming every aspect of our lives. But what exactly is AI, and how does it work? This comprehensive 5-day training programme will equip you with a solid understanding of this revolutionary technology.

We'll delve into the fundamentals of AI, explore its various applications, and discuss the ethical considerations surrounding its development and use. Whether you're a business professional looking to leverage AI for your organisation or simply someone curious about the future, this programme will provide you with the knowledge and insights you need to navigate the exciting world of AI.

## Course Objectives of Artificial Intelligence

### Upon completing this programme, participants will be able to:

- Gain a foundational understanding of core AI concepts like machine learning, deep learning, and natural language processing.
- Explore diverse applications of AI across various industries, including healthcare, finance, and manufacturing.
- Analyse the potential impact of AI on society, both positive and negative.
- Develop critical thinking skills to evaluate the ethical implications of AI development and use.
- Identify opportunities to leverage AI for personal or professional advancement.

## Course Methodology of Artificial Intelligence

- Lectures and Expert Insights: Leading industry experts will share their insights and best practices.
- Case Studies: Analyse real-world talent acquisition challenges and solutions.
- Group Discussions: Engage in meaningful discussions and share experiences with peers.
- Role-Playing and Simulations: Practice recruitment scenarios to enhance skills.
- Hands-on Workshops: Gain practical experience in using recruitment tools and techniques.

# Organisational Impact of Artificial Intelligence

### This training programme will have a positive impact on organisations by:

- Enhanced Decision Making: AI tools can analyse vast amounts of data, leading to more informed and data-driven decisions.
- Improved Efficiency: Automate repetitive tasks with AI, freeing up resources for more strategic initiatives.
- Innovation and Growth: Leverage AI to develop new products and services, gain a competitive edge, and unlock new markets.
- Streamlined Operations: Optimise processes and workflows with intelligent automation powered by AI.

# Personal Impact of Artificial Intelligence

### Participants will experience personal growth and development, including:

- Develop an In-Demand Skillset: Build a strong foundation in AI, a highly sought-after skill in today's job market.
- Future-Proof Your Career: Prepare yourself for the changing landscape as AI continues to reshape various industries.
- Enhanced Problem-Solving Skills: Learn how AI approaches complex challenges, fostering your own analytical thinking.
- Increased Productivity: Utilise AI tools and automation to make your work more efficient and streamline your daily tasks.

# Who Should Attend

### This training programme is ideal for:

- Business Professionals
- Marketing and Sales Teams
- Project Managers
- IT Professionals
- Educators
- Anyone Curious About the Future of Technology

# Course Outlines

### Day 1

### Demystifying AI - What It Is and How It Works

- Introduction to Artificial Intelligence (AI) and its history
- Core concepts of AI: Machine Learning, Deep Learning, Natural Language Processing
- Different types of AI algorithms and their applications
- Hands-on activity: Exploring basic AI models through interactive demonstrations.

### Day 2

### The Power of AI - Applications Across Industries

- AI in healthcare: Diagnosis, personalised medicine, and drug discovery.
- AI in finance: Algorithmic trading, fraud detection, and risk management.

- AI in manufacturing: Predictive maintenance, automated assembly lines, and supply chain optimisation.
- Case studies and real-world examples of AI's impact across various sectors.

### Day 3

### AI and the Future - Opportunities and Challenges

- The potential benefits of AI for society: from personalised education to environmental sustainability.
- Ethical considerations of AI development and use: bias, transparency, and accountability.
- The future of AI: Jobs, automation, and the human-machine relationship.
- Group discussion: Exploring the implications of AI on different aspects of society.

### Day 4

### Building with AI - Understanding the Development Process

- An introduction to popular AI frameworks and tools
- Data collection and preparation for AI projects
- Machine learning model training and evaluation
- Hands-on activity: Using a user-friendly platform to build a simple AI application.

### Day 5

### AI for You - Personal and Professional Applications

- Leveraging AI for personal tasks: smart assistants, personalised recommendations, and productivity tools.
- Exploring AI career paths: identifying opportunities and building your skillset for the AI-powered future.
- Developing an AI action plan: Identifying ways to utilise AI in your personal or professional life.
- Wrap-up session: Q&A and concluding remarks

### Ask us for a date for this course

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