MAWA EVENTS

Address: No. 857, Block A2. Leisure Commerce Square - No 9., 46150 Petaling Jaya, Selangor, Malaysia

Phone: +601116373203 | **Email:** info@mawaevents.net

FUNDAMENTALS OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

"Unlock the Power of AI & ML for Future-Ready Skills"

Schedule

Venue (InHouse)	Fees
At Your Organization Premises	Ask For The Quotation

► **Available delivery methods:** In-House Training

Introduction

This course introduces participants to the core concepts and practical foundations of Artificial Intelligence (AI) and Machine Learning (ML). Designed for professionals with little to no prior background, it provides an intuitive and hands-on understanding of how machines learn from data, how AI is transforming industries, and how you can apply these technologies in real-world scenarios.

Objectives

By the end of this course, participants will be able to:

- Understand the basic principles of AI and machine learning
- Differentiate between AI, ML, deep learning, and data science
- Explore real-world AI applications across industries
- Build and evaluate basic ML models using supervised and unsupervised learning
- Recognize ethical and business considerations in AI projects

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Why Attend

AI and ML are reshaping careers, organizations, and global economies. This course offers a strong foundation to understand, evaluate, and begin working with these technologies in a practical and ethical way—regardless of your industry or function.

Target Audience

- Business leaders and decision-makers
- IT professionals and software developers
- Data analysts and operations teams
- Engineers and technical managers
- Anyone curious about AI and ML fundamentals

Individual Benefits

- Gain a competitive edge with future-proof skills
- Learn to apply ML concepts in your job function
- Explore career paths in AI and data science

Organizational Benefits

- Drive innovation through AI-enabled strategies
- Improve operations with data-driven decision-making
- Upskill teams to support AI adoption and integration

Instructional Methodology

- Instructor-led sessions
- Live coding demos with Python
- Hands-on labs using tools like Jupyter Notebook & Scikit-learn
- Group discussions, case studies & quizzes

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Course Outline

DETAILED 5-DAY COURSE OUTLINE (Customizable) Training Hours: 07:30 AM – 03:30 PM Daily Format: 3–4 Modules | Coffee breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 – 02:00

Day 1: Foundations of Artificial Intelligence

- 07:30 – 09:30 – Module 1: What is AI? Definitions, History, and Types
- 09:45 – 11:15 – Module 2: Key Concepts: Data, Algorithms, and Models
- 11:30 – 01:00 – Module 3: Applications of AI in Business and Industry

Day 2: Introduction to Machine Learning

- 07:30 – 09:30 – Module 4: Supervised vs. Unsupervised Learning
- 09:45 – 11:15 – Module 5: ML Workflow: Data Collection to Deployment
- 11:30 – 01:00 – Module 6: Python Basics for ML – DataFrames & Libraries

Day 3: Building and Evaluating ML Models

- 07:30 – 09:30 – Module 7: Linear Regression & Classification Techniques
- 09:45 – 11:15 – Module 8: Model Training, Validation & Overfitting
- 11:30 – 01:00 – Module 9: Model Metrics – Accuracy, Precision, Recall

Day 4: Advanced Concepts and Tools

- 07:30 – 09:30 – Module 10: Decision Trees, k-Means, and Clustering
- 09:45 – 11:15 – Module 11: Intro to Neural Networks & Deep Learning
- 11:30 – 01:00 – Module 12: Hands-on Practice: Real Datasets in Jupyter

Day 5: Ethics, Strategy & Capstone

- 07:30 – 09:30 – Module 13: Bias, Fairness, and Ethics in AI
- 09:45 – 11:15 – Module 14: AI Strategy and Business Readiness
- 11:30 – 01:00 – Module 15: Final Project Presentation & Certification Ceremony

Certification

Participants will receive a Certificate of Completion in Fundamentals of Artificial Intelligence & Machine Learning, validating their knowledge of key AI/ML concepts and tools.

Why Choose MAWA Events

- **Global Expertise:** More than 17 years of experience in professional training and consulting.
- **Industry-Leading Faculty:** Courses delivered by seasoned professionals with hands-on experience.
- **Practical Insights:** Learn to turn theory into actionable strategies for real-world business impact.
- **Client-Focused Solutions:** Customized programs designed to achieve your organisation’s unique goals.

In-House / Customized Training Interested in running this course for your team? Please contact us:	TEL: **+601116373203**	EMAIL: **info@mawaevents.net**

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