MAWA EVENTS

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

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

APPLICATIONS OF AI IN THE HEALTHCARE INDUSTRY

"Transforming Healthcare Delivery Through AI-Driven Innovation and Insight."

Schedule

Venue	Fees
In-House	ASK FOR THE QUOTATION

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

Introduction

The integration of Artificial Intelligence (AI) into healthcare is revolutionizing patient care, diagnosis, treatment planning, and operational efficiency. This comprehensive course explores practical applications of AI in the healthcare ecosystem, from predictive analytics and diagnostic imaging to robotic surgery, personalized medicine, and administrative automation. Participants will gain strategic and technical insights into how AI can be safely, ethically, and effectively deployed in clinical and operational settings.

Objectives

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

- Understand core AI technologies and their healthcare applications
- Explore AI use cases across diagnostics, treatment, and operations
- Evaluate AI-driven clinical decision support systems (CDSS)
- Analyze privacy, bias, and ethical implications in medical AI
- Develop AI implementation strategies for healthcare facilities

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Why Attend

This course provides healthcare professionals, administrators, and tech leads with the tools to lead digital transformation using AI. It bridges medical knowledge with technical innovation to improve outcomes, optimize workflows, and drive cost efficiencies.

Target Audience

- Healthcare Administrators and Hospital Managers
- Medical Practitioners and Clinical Leaders
- Health Informatics and IT Professionals
- AI Developers and Data Scientists in Health Tech
- Policy Makers and Health Sector Strategists

Individual Benefits

- Understand real-world AI tools and trends in healthcare
- Learn to lead or collaborate on AI-driven initiatives
- Build confidence in working with data scientists and vendors
- Receive a recognized professional certification in healthcare AI

Organizational Benefits

- Enhance patient outcomes through AI-enhanced diagnostics
- Streamline clinical and administrative processes
- Reduce human error and healthcare delivery costs
- Build a future-ready, data-driven healthcare workforce

Instructional Methodology

- Live expert sessions and healthcare AI demos
- Case studies from hospitals, research centers, and MedTech
- Group projects and strategy workshops
- Simulations using AI tools and datasets

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Course Outline

DETAILED 5-DAY COURSE OUTLINE (CUSTOMIZABLE)

Training Hours: 7:30 AM – 3:30 PM

Daily Format: 3–4 Learning Modules | Coffee Breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 – 02:00

Day 1: Foundations of AI in Healthcare

Module 1: AI Concepts and Technologies – ML, NLP, CV, Robotics (07:30 – 09:30)

Module 2: AI in the Global Healthcare Landscape (09:45 – 11:15)

Module 3: AI Architecture for Health Applications (11:30 – 01:00)

Module 4: Case Study: Early Diagnosis using AI (02:00 – 03:30)

Day 2: Clinical Decision Support and Diagnostics

Module 1: AI for Medical Imaging & Diagnostics (07:30 – 09:30)

Module 2: Predictive Analytics for Patient Risk & Readmission (09:45 – 11:15)

Module 3: AI-Powered Clinical Decision Support Systems (11:30 – 01:00)

Module 4: Workshop: Evaluating CDSS Tools (02:00 – 03:30)

Day 3: AI in Personalized Medicine & Robotics

Module 1: Genomics and AI in Personalized Therapies (07:30 – 09:30)

Module 2: Virtual Health Assistants and Chatbots (09:45 – 11:15)

Module 3: Robotics in Surgery and Rehabilitation (11:30 – 01:00)

Module 4: Simulation: Building a Basic AI Health App Flow (02:00 – 03:30)

Day 4: Healthcare Operations and Administration

Module 1: AI in Hospital Resource Planning and Forecasting (07:30 – 09:30)

Module 2: Automating Documentation and EHR Systems (09:45 – 11:15)

Module 3: AI in Patient Flow and Emergency Response (11:30 – 01:00)

Module 4: Group Strategy Lab: Designing an AI-Enabled Smart Hospital (02:00 – 03:30)

Day 5: Ethical, Legal, and Strategic Implementation

Module 1: Data Privacy, Bias, and Fairness in AI (07:30 – 09:30)

Module 2: Regulatory Frameworks and Ethical Guidelines (09:45 – 11:15)

Module 3: Building an AI Roadmap in Healthcare (11:30 – 01:00)

Module 4: Final Presentations, Discussion & Certification Wrap-Up (02:00 – 03:30)

Certification

Participants will be awarded a **Certificate in Applications of AI in the Healthcare Industry** upon completion of the training, group strategy lab, and participation. The course is aligned with current digital health transformation frameworks.

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.

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