AI+ Doctor

Category: AI, Data & Analytics | **Vendor:** AI Certs

Duration: 1.00 hours (1 days) **0.8 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format:	vILT
Certification:	AI+ Doctor
Related Exam:	AI-DOC

Course Overview

The AI+ Doctor™ is about empowering medical professionals to integrate artificial intelligence into clinical practice, diagnostics, and patient care. Learners explore AI-driven healthcare technologies for disease prediction, medical imaging, and data analytics. The course provides hands-on understanding of how AI enhances diagnosis accuracy and treatment outcomes. It bridges medical expertise with AI innovation to improve patient management and healthcare efficiency. By taking this course, doctors can lead the digital transformation of modern healthcare.

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Who Should Attend

A keen interest in exploring the intersection of AI and healthcare, along with a willingness to learn about AI applications in medical settings

Prerequisites & Entry Requirements

General Prerequisites:

Participants should have foundational knowledge of clinical practices, medical terminology and patient care processes

A basic understanding of healthcare systems, including electronic health records (EHRs) and patient workflows will be beneficial

A basic understanding of data concepts, including data collection, analysis, and interpretation, is recommended for understanding AI models and metrics

Ability to approach challenges with a solutions-oriented mindset, especially when evaluating AI systems and adapting them to clinical settings

Learning Outcomes

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

Understand the role of AI in modern medicine and healthcare delivery

Apply AI tools for diagnostics, predictive analytics, and patient monitoring

Use AI-driven insights to improve decision-making and clinical workflows

Explore ethical and regulatory aspects of AI in healthcare

Integrate AI solutions to enhance patient care and medical efficiency

Detailed Course Outline

What is AI for Doctors?

From Decision Support to Diagnostic Intelligence

What Makes AI in Medicine Unique?

Types of Machine Learning in Medicine

Common Algorithms and What They Do in Healthcare

Real-World Use Cases Across Medical Specialties

Debunking Myths About AI in Healthcare

Real Tools in Use by Clinicians Today

Hands-on: Medical Imaging Analysis using MediScan AI

AI in Diagnostics & Imaging

Introduction to Neural Networks: Unlocking the Power of AI

Convolutional Neural Networks (CNNs) for Visual Data: Seeing with AI’s Eyes

Image Modalities in Medical AI: AI’s Multi-Modal Vision

Model Training Workflow: From Data Labeling to Deployment – The AI Lifecycle in Medicine

Human-AI Collaboration in Diagnosis: The Power of Augmented Intelligence

FDA-Approved AI Tools in Diagnostic Imaging: Trust and Validation

Hands-on Activity: Exploring AI-Powered Differential Diagnosis with Symptoma

Introduction to Fundamental Data Analysis

Understanding Clinical Data Types – EHRs, Vitals, Lab Results

Structured vs. Unstructured Data in Medicine

Role of Dashboards and Visualization in Clinical Decisions

Pattern Recognition and Signal Detection in Patient Data

Identifying At-Risk Patients via Trends and AI Scores

Interactive Activity: AI Assistant for Clinical Note Insights

Predictive Analytics & Clinical Decision Support – Empowering Proactive Patient Care

Predictive Models for Risk Stratification – Sepsis and Hospital Readmissions

Logistic Regression, Decision Trees, Ensemble Models

Real-Time Alerts – Early Warning Systems (MEWS, NEWS)

Sensitivity vs. Specificity – Metric Choice by Clinical Need

ICU and ER Use Cases for AI-Triggered Interventions

NLP and Generative AI in Clinical Use

Foundations of NLP in Healthcare

Large Language Models (LLMs) in Medicine

Prompt Engineering in Clinical Contexts

Generative AI Use Cases – Summarization, Counselling Scripts, Translation

Ambient Intelligence: Next-Gen Clinical Documentation

Limitations & Risks of NLP and Generative AI in Medicine

Case Study: Transforming Clinical Documentation and Enhancing Patient Care with Nabla Copilot

Ethical and Equitable AI Use

Algorithmic Bias – Race, Gender, Socioeconomic Impact

Explainability and Transparency (SHAP and LIME)

Validating AI Across Populations

Regulatory Standards – HIPAA, GDPR, FDA/EMA Compliance

Drafting Ethical AI Use Policies

Case Study – Biased Pulse Oximetry Detection

Evaluating AI Tools in Practice

Core Metrics: Understanding the Basics

Confusion Matrix & ROC Curve Interpretation

Metric Matching by Clinical Context

Interpreting AI Outputs: Enhancing Clinical Decision-Making

Critical Evaluation of Vendor Claims: Ensuring Reliability and Effectiveness

Red Flags in Commercial AI Tools: Recognizing and Mitigating Risks

Checklist: “10 Questions to Ask Before Buying AI Tools”

Hands-on

Implementing AI in Clinical Settings

Identifying Department-Specific AI Use Cases

Mapping AI to Workflows (Pre-diagnosis, Treatment, Follow-up)

Pilot Planning: Timeline, Data, Feedback Cycles

Team Roles – Clinical Champion, AI Specialist, IT Admin

Monitoring AI Errors – Root Cause Analysis

Change Management in Clinical Teams

Example: ER Workflow with Triage AI Integration

Scaling AI Solutions Across the Healthcare System

Evaluating AI Impact and Performance Post-Deployment

□□ Certification Path

AI+ Doctor

Exam: AI-DOC

Frequently Asked Questions

Q: What delivery options are available for AI+ Doctor?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: What certification does this course prepare me for?

The AI+ Doctor course helps prepare you for the AI+ Doctor certification path.

Q: Which exam does this course prepare me for?

This course prepares you for the AI-DOC official exam. You can take this exam at any exam center across United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online wherever you are located.

Q: How many CPD hours does this course provide?

The 1-day AI+ Doctor course provides up to 0.8 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the AI+ Doctor training?

The training takes place over 1 day(s), with each day lasting approximately 1.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for AI+ Doctor?

Yes, we provide corporate training, dedicated training, and closed classes for AI+ Doctor. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: AI+ Doctor, AI Certs, vILT

Q: Why choose Nexus Human for AI+ Doctor?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your AI+ Doctor training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

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