



LEVEL 4

ARTIFICIAL INTELLIGENCE [AI] & AUTOMATION PRACTITIONER



EDUCATE, INSPIRE, ACHIEVE, EVOLVE

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We have been delivering quality apprenticeship programmes for over 15 years and our vision is to bring education and industry together for a brighter, safer world and to inspire the next generation of professionals.

We map our delivery to employer requirements and provide the highest quality of education possible to all our learners, supporting and enabling them to achieve their full potential. Our success rates remain consistently above the national average.

Our team includes industry experts and qualified professionals with real-world AI experience and outstanding teaching credentials.

We also have in-house expertise in supporting employers to set up and run award-winning apprenticeship programmes.



WHO WE ARE

We are the country's leading dedicated scientific training provider and are proud to partner with some of the most innovative organisations in the UK.

In addition to our scientific programmes, we now offer high-quality apprenticeships in commercial and business development roles, including the AI and Automation Practitioner.

We are listed on the APAR (Apprenticeship Provider and Assessment Register), regulated by the Institute for Apprenticeships and Technical Education and monitored by Ofsted. At our most recent Ofsted inspection, we were graded Outstanding.

Some of our customers include:

- The National Physical Laboratory
- The University of Oxford
- The University of Cambridge
- Thermo Fisher Scientific
- BP
- P&G
- Labcorp
- NHS

“Thank you for helping us build our future and for your continued support and dedication to apprenticeship training.”

Carly Larkin, Apprentice Lead at East Kent Hospitals University

ABOUT THE LEVEL 4 AI & AUTOMATION APPRENTICESHIP

Unlock Productivity Through Practical AI

Equip your organisation with professionals who can identify opportunities for automation, implement AI solutions safely, and transform how work gets done across your business.

The AI & Automation Practitioner apprenticeship develops employees who apply artificial intelligence and automation tools to improve efficiency, reduce manual processes, and support digital transformation.

About the Apprenticeship

The Artificial Intelligence & Automation Practitioner operates within organisations to analyse business processes, design AI-enabled solutions, and implement automation responsibly and effectively.

This role bridges the gap between business operations and emerging AI technologies — helping organisations adopt AI in practical, measurable ways.

Suitable for organisations across all sectors, including professional services, healthcare, education, manufacturing, finance, retail, and public services.



Entry requirements:

Typically, candidates will have:

- GCSEs at grade C/4 or above in Maths and English



DELIVERY OF THE APPRENTICESHIP

We work with the employer to create a bespoke training plan that fits your commercial goals. Apprenticeships are delivered through a blend of virtual learning, workplace assessment, and dedicated 1:1 support from an experienced AI trainer.

Our flexible model allows learners to apply what they learn immediately in their day-to-day sales role.



An AI & Automation apprentice will learn to:

- Identify inefficiencies and automation opportunities
- Analyse organisational workflows and processes
- Design AI-enabled solutions using modern tools
- Implement low-code and no-code automation
- Deploy AI assistants and intelligent workflows
- Support responsible and ethical use of AI
- Monitor performance and business impact
- Collaborate with technical and non-technical stakeholders

Core Knowledge & Skills Areas

- Foundations of Artificial Intelligence
- Automation & Workflow Design
- Data Handling and AI Inputs
- Prompt Engineering & AI Tool Configuration
- Process Improvement Techniques
- Digital Transformation Principles
- Responsible & Ethical AI
- Cyber Security & Governance Awareness
- Stakeholder Communication & Change Support

Delivery is via supported distance learning online



OFF-THE-JOB TRAINING

At least 6 hours per week of off-the-job training is required. This can include:

- Online learning and workshops
- Internal training
- Attending conferences or webinars
- Peer shadowing and mentoring
- Reflection, planning and research time

All activities are documented to demonstrate learning and progression.



Key Benefits for Employers

- Increase productivity through automation
- Reduce repetitive manual tasks
- Accelerate digital transformation
- Improve decision-making using AI tools
- Strengthen responsible and ethical AI adoption
- Build internal AI capability without external consultancy costs

Assessment

Apprentices demonstrate competence through:

Work-Based Project – implementing an AI or automation solution within the organisation

At least one additional assessment must be selected from the following list of methods to ensure the assessment outcomes are met in full:

- Presentation
- Simulated task
- Professional discussion
- Portfolio



WHO THIS APPRENTICESHIP IS FOR

Ideal for organisations looking to develop staff in roles such as:

- Operations or Process Improvement
- Digital Transformation Teams
- Data or Technology Support Roles
- Project or Change Coordinators

No advanced coding experience required — focus is on practical AI application.

WHY INVEST IN AI CAPABILITY NOW?

Organisations adopting AI early gain significant advantages in efficiency, innovation, and competitiveness.

This apprenticeship develops in-house expertise to safely integrate AI into everyday business operations.

START YOUR AI TRANSFORMATION JOURNEY

Contact us today to discuss how the AI & Automation Practitioner apprenticeship can support your organisation.

FUNDING

Levy-paying employers can fund this apprenticeship through their digital account.

Maximum funding band: £18,000

Non-levy employers may be eligible for 95–100% funding support depending on circumstances.

We can guide you through the process and manage all aspects of funding and compliance.

CELEBRATING SUCCESS

We're proud to celebrate the achievements of our apprentices. Apprentices are invited to our annual graduation ceremony and can be nominated for:

- National Apprenticeship Awards
- CSR Enrichment Awards

Let's recognise your team's growth and success together.

MEET OUR AI HUMANOID ROBOT





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