AI and Automation Practitioner (Level 4 Apprenticeship)

Overview

The **AI and Automation Practitioner apprenticeship (Level 4)** is a nationally recognised UK programme designed to develop professionals who can implement artificial intelligence and automation solutions within real business environments. Unlike short theoretical courses, the programme focuses on **practical workplace projects**, enabling learners to apply AI and automation tools directly within their organisation to improve productivity and efficiency.

Programme Details

Qualification:

Artificial Intelligence & Automation Practitioner (Level 4)

Standard Code:

ST1512

Duration:

Typically **12–15 months**

Funding:

Government-funded through the **UK Apprenticeship Levy** or government co-investment

Learning Model:

Workplace-based learning combined with structured training

Outcome:

Learners gain practical skills in AI and automation and achieve a nationally recognised qualification.

Who the Programme Is For

The programme is designed for:

- Employees involved in **workflow design, automation, or data processes**
- Organisations wanting to **build in-house AI capability**
- Professionals seeking skills in **AI tools and process automation**
- Businesses looking to **improve efficiency through automation**

Participants must be able to apply learning directly to their **current job role** during the apprenticeship.

Eligibility Requirements

Typical requirements include:

- **Minimum age:** 16+
- **Right to work in England**
- **Resident in the UK (or EEA) for at least 3 years**
- Must be **employed in a relevant role**
- GCSE **English and Maths at grade 4/C or equivalent** preferred
    - **I**f not already achieved, **Functional Skills Level 2** must be completed before the end-point assessment

Participants cannot be enrolled in another funded training programme at the same time.

What You Will Learn

The programme focuses on practical AI and automation skills, including:

AI Foundations

- Understanding AI concepts, use cases, and limitations
- Responsible and ethical AI use

Automation & Workflow Design

- Identifying automation opportunities in business processes
- Mapping and analysing workflows

AI Tools and Productivity

- Using AI tools for decision-making and productivity
- Implementing automation platforms and integrations

Business & Technical Translation

- Translating business needs into technical solutions
- Designing automation systems aligned with organisational goals

Deployment & Improvement

- Testing and evaluating automation solutions
- Monitoring performance and improving systems through feedback loops

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How Learning Is Delivered

The programme emphasises **on-the-job learning**, meaning most skills are developed while working on real business tasks.

Key elements include:

- Workplace-based projects
- Structured training sessions
- Continuous mentoring and guidance
- Practical implementation of automation systems

At the end of the programme, learners complete an **End-Point Assessment (EPA)** to achieve the qualification.

Practical Applications

During the programme, learners design and implement automation within real business operations, including:

- Operations workflows
- Finance processes
- HR systems
- Sales and marketing automation
- Data processing and reporting

Automations are built using the organisation's **actual systems and data**, meaning solutions created during the programme continue delivering value after completion.

Benefits for Organisations

The apprenticeship helps organisations:

- Improve operational efficiency through AI and automation
- Reduce manual processes and repetitive tasks
- Build **internal AI capability**
- Reduce reliance on external consultants
- Create long-term automation infrastructure

Training focuses on **low-code and no-code tools**, enabling rapid adoption without heavy development resources.

Skills Developed

Participants develop capabilities such as:

- Identifying automation opportunities
- Designing AI-driven workflows
- Implementing AI tools in business processes
- Data-informed decision making
- Stakeholder communication and change management
- Responsible and ethical AI implementation