AI & Learning Analytics Specialist (KTP Associate) - Brighton

Role Description

GRADE

Grade 5 (£ 37,174 - £41,671)
& Development Budget of £2,000 per year

LOCATION

Sussex Functional Skills Centre - Functional Skills UK, Brighton BN41 1HU

LINE MANAGER

Sukanlaya Sawang (ENU) & Luke Hardy (Functional Skills UK)

Role Summary:

A Knowledge Transfer Partnership (KTP) is a UK-based program designed to help businesses improve their competitiveness and productivity by accessing the knowledge and expertise available within universities and other research organizations.

This full-time, 24-month position involves working on a project to design and implement an AI-powered Personalised Adaptive Learning (PAL) platform aimed at improving learning outcomes and supporting neurodiverse learners across hybrid and digital environments.

The industrial partner for this project is Functional Skills UK (FSUK). As a leading training provider with a national presence, FSUK specialise in delivering high-quality, accessible learning solutions that empower individuals to reach their full potential. From apprenticeships and adult education to cutting-edge digital programmes, they support a wide range of learners—including those with additional needs.

Currently, they are embarking on an exciting AI-driven journey to personalise and enhance learning experiences.

The successful post-holder will lead the design, development, and implementation of an AI-powered Personalised Adaptive Learning (PAL) platform to deliver inclusive, scalable, and data-driven learning experiences, particularly tailored to support neurodiverse learners.

Working collaboratively across FSUK and Edinburgh Napier University, you will develop and test innovative tools such as predictive analytics dashboards, personalised learning pathways, and hybrid learning models, with the goal of embedding these capabilities within the organisation and supporting their commercial rollout.

This post will be employed and supported by an academic team from Edinburgh Napier University and be based at the company's premises in Brighton.

Line Management Responsibility for:

This role does not have any line management responsibilities

Main Duties and Responsibilities

- Lead the development of a bespoke AI-enabled learning platform with adaptive and inclusive features.
- Design and implement predictive analytics tools and real-time dashboards to support at-risk learners.
- Map and adapt FSUK's curriculum content for accessibility and personalisation.
- Collaborate with neurodiversity specialists to build inclusive learning journeys.
- Pilot and refine the Personalised Adaptive Learning (PAL) platform using real learner and educator feedback.
- Develop SOPs, training materials, and deployment plans for full organisational rollout.
- Train and mentor FSUK staff to ensure sustainability and knowledge transfer.
- Contribute to academic outputs including journal articles and conference presentations.
- Work closely with academic and business supervisors from Edinburgh Napier and FSUK.
- Prepare and produce research reports, project progress updates, and other relevant documentation, including contributions to joint academic and industry publications
- Undertake any other duties commensurate with the grade of the post that might be required
- Role model the University's values & behaviours.
- Be responsible for ensuring that the information and records processed (received, created, used, stored, destroyed) on behalf of the University are managed in compliance with ALL applicable legislation, codes and policies e.g. Data Protection, Information Security and Records Management.

PERSON SPECIFICATION

	ESSENTIAL	DESIRABLE

Education / Qualifications

	ESSENTIAL	DESIRABLE
• Master's degree in Computer Science, Educational Technology, Data Science, AI/ML, or a related field.	✔	
• Evidence of applied research or innovation in digital learning, AI, or neurodiversity support.		✔
• Experience of working in an education or training setting.		✔

Skills / Experience

	ESSENTIAL	DESIRABLE
• Strong programming and development skills in Python or similar.	✔	
• Practical experience in AI/ML techniques (e.g. clustering, NLP, supervised learning).	✔	
• Knowledge of learning technologies and/or adaptive learning systems.	✔	
• Excellent communication skills for both technical and non-technical stakeholders.	✔	
• Organised, self-motivated, and capable of managing a complex, multi-stakeholder project.	✔	
• Commitment to Equality, Diversity and Inclusion.	✔	
• Commitment to excellent customer service.	✔	
• Ability to work independently	✔	
• Experience designing or supporting neurodiverse learners.		✔
• Experience with dashboards, analytics, or data visualisation tools (e.g. Power BI, Tableau).		✔
• Knowledge of education policy, especially around additional learning needs (ALN) or ESFA funding.		✔
• Familiarity with learning management systems (LMS) or education platforms.		✔