Vice-Chancellor’s PhD Scholarships

**Developing an Ethics-enabled Framework for Interaction with AI-generated Content**

## School of Computing and Digital Media

The use of artificial intelligence (AI) for educational purposes is rapidly advancing, with large language models (LLMs) such as ChatGPT and Google Bard being used to produce AI-generated content. Whilst enhancing adaptive, interactive and autonomous learning experiences, potential challenges such as biasness, inaccuracies and misuse need to be addressed.

The proposed PhD research project aims to develop an ethics-enabled framework for AI-generated content. The framework will consider aspects such as transparency, bias mitigation, privacy, risk assessment, and accountability. It will also act as a customisable bridge to ensure ethical integration and interaction.

The research will firstly investigate the strengths and weaknesses of LLMs and explore issues related to the benefits, risks, trade-offs, and tensions brought about by their use. Secondly, it will develop an ethics-enabled framework through cross-disciplinary and inclusive conversations and evaluations. Finally, it will design AI results validation and feedback mechanisms and integrate the framework within an AI platform. The framework will establish policies for AI-generated content in the education and commercial sectors.

For informal enquiries about the project, please contact: Prof. Qicheng Yu q.yu@londonmet.ac.uk