香港教育大學
The Education University
of Hong Kong

Research Assistant I (Ref: 2401402)
Department of Mathematics and Information Technology

Project Title: E-learning through Adaptive Gamification: Effects on Students' Course Engagement, Self-efficacy and Learning Performance

[Appointment Period: around 6 months]

The appointee will join a research project as captioned above. This project aims (1) to assess the impacts of the dynamic gamification adaptation implementation on students' course engagement, self-efficacy, and learning performance before and after the use, with necessary refinement based on these impacts; (2) to compare the impacts of the adaptive gamification approach using refined dynamic gamification adaptation implementation, with the one-size-fits-all approach on students' course engagement, self-efficacy, and learning performance.

The appointee will be responsible for developing the dynamic gamification adaptation algorithm. He/she will assist in developing the gamified learning plugin in Moodle, designing experiment, searching literature, analyzing learners' trace data, survey and interview data, writing the reports, managing administrative work, supervising part-time research assistants, and performing other duties as assigned by the project leader. The initial appointment will be for a period of around 6 months with the possibility of renewal subject to mutual agreement.

Applicants should have a Bachelor's Degree in Computer Science or Software Engineering, along with good experience in program development and research. Strong leadership and coordination skills are essential for managing projects within team settings. Candidates should demonstrate the ability to handle challenging situations and possess excellent presentation and negotiation skills for liaising with both internal and external stakeholders. Additionally, applicants should have strong interpersonal, organizational, and communication skills, and be highly proficient in both English and Chinese. Familiarity with statistical analysis software (e.g., MPlus, Stata, R Studio) and one programming language (preferably Python).

For further enquiries about the post, please contact Dr. Bai Shurui Tiffany at tstbai@eduhk.hk.

Salary will be commensurate with qualifications and experience. Fringe benefits include leave and outpatient medical benefits.

The University only accepts and considers applications submitted online for this post. Applicants should complete the online application form and upload a full CV. **Review of applications will start from 20 December 2024, and will continue until the post are filled.** Applications which are incomplete or without the required documents may not be considered. Personal data provided by applicants will be used for recruitment and other employment-related purposes. For details of the Personal Information Collection Statement, please refer to http://www.eduhk.hk/jobsopp/index.php?glang=en.

All applications will be treated in strict confidence. Only those who are shortlisted will be contacted. The University reserves the right not to fill the position(s) advertised.

Further information about the University is available at *http://www.eduhk.hk.*

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