

Project Summary for IAL Website

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Project Title:	Course Suggestion for Career Planning: Evaluating Strategies to Support Lifelong Learning. A Pilot on Using Analytics to Recommend SkillsFuture Credit Courses
Project Number:	GA17-07
Year of Approval:	2018
Funding Source:	WDARF
Objectives and intended outcomes of the project:	(1) to use behavioural science to better understand how and why people pursue opportunities for lifelong learning, and (2) to develop technologies that can help people find, select, and complete programs that are suited to both their personal strengths and the needs of the broader Singapore economy.
Project Team	
Principal Investigator:	Prof Robert Kamei, Institute for Application of Learning Science & Educational Technology (ALSET) Dr Min-Yen Kan, NUS School of Computing
Summary of Project (up to 300 words)	
<p>For people of all ages, choosing the right courses and training programs is essential for long-term success in the workplace. Yet even as lifelong learning becomes increasingly important in virtually every field, we still have limited understanding of what drives people to pursue learning opportunities at various stages of their careers. As the Singapore government enacts policies and funds programs that provide its citizens with these opportunities, it is essential to develop evidence-based theories that can guide these efforts. Since many of these programs come at considerable cost, it is also important to explore how new technologies can make them more efficient and powerful.</p> <p>Our study piloted the personalisation of SkillsFuture course recommendation, based on historical SkillsFuture reimbursement claims. We analysed the overall historical consumption patterns to whether the policies and goals of the SFC programme are being met. We successfully met our recommendation objectives, achieving a 10% performance increase in recommending relevant courses to target individuals, characterised both in simulation and further validated by a medium-scale human subject study.</p>	