Project Title :	Knowledge & Education Exchange Platform (KEEP)
Leading University :	The Chinese University of Hong Kong
Participating UGC-funded University(ies) :	City University of Hong Kong, Hong Kong Baptist University, Lingnan University, The Education University of Hong Kong, The Hong Kong Polytechnic University, The Hong Kong University of Science and Technology
Project Leader(s) :	Professor Irwin Kuo Chin King, Department of Computer Science and Engineering, The Chinese University of Hong Kong

Layman Summary of Proposal

The higher education sector has been faced with the growing need to integrate technology in teaching and learning. While much has been accomplished in recent years, educators have also encountered some major challenges that hinder further development. The proposal represents the commitment of The Chinese University of Hong Kong (CUHK) in conjunction with all partner institutions in making use of technology to achieve great changes in teaching and learning in the higher education sector. The vision of the project is to build a centralised and one-stop Knowledge and Education Exchange Platform (KEEP) education cloud, such that all the education resources, particularly those developed by local educators (e.g. contents, courses, materials, tools, etc) can be easily showcased, shared, searched and made accessible to target users through KEEP. We aspire to embrace innovative paradigms in teaching and learning, cultivate community of practices for educators, help learners establish virtual communities of learning, mine and analyze learning data to strengthen research-teaching nexus and promote scholarship of teaching and learning. The objectives of KEEP are to empower educators and students by:

1. Integrating heterogeneous education systems, services and resources through the development of common standards and protocols;
2. Providing personal education and collaboration portal as the one-stop site for sharing and accessing all resources and services; and
3. Facilitating innovative education applications and new paradigms, with

user-friendly function module development toolkit, powerful big data mining engine, and flexible infrastructure for hosting learning platforms in an education cloud with a wide variety of services and capabilities. The education cloud will provide the cutting-edge technology to every educator and student to improve teaching and learning.

Layman Summary of Final Report

KEEP is a one-stop education cloud that educational resources can be shared, searched and made accessible to target users. The platform strives to facilitate local educators to practice eLearning, eventually enhancing their teaching effectiveness.

The key features of KEEP are as follows:

1. KEEPCourse: Host or search for interactive online courses for global audience or small classes.
2. Dashboard: A hub for data analytics for knowing the teaching effectiveness and student engagement for improving the teaching method.
3. KEEPoll: A real-time web and mobile polling service to increase engagement.
4. KEEPCatalog: A showcase collection of tools and apps for teaching and learning.
5. KEEPSearch: Search smartly for education resources and information.

As of March 2018, there were more than 23 000 users and 58 000 online courses searchable on KEEP. 169 courses were offered on KEEP, out of which 133 were from CUHK, 33 were from other UGC-funded universities and 3 were from other organisations. KEEP has also developed interfaces for further integration of education services.