

Part B Project Summary

Project Title: Collaborative and Interactive Mobile Platform for LEarning (CIMPLE)

Project Number
2012/0227

Name of Organization: Department of Computer Science, Hong Kong Baptist University

(1) Goals: To develop a cloud-based mobile platform - CIMPLE and deploy to a primary school setting

- (i) To provide a highly usable way to produce and share interactive contents and to support collaborative learning in which the students are encouraged to participate actively.
- (ii) To allow students to understand how the ideas or answers are derived instead of getting the results only.
- (iii) To help students to build up creative, logical thinking and initiative characteristics.
- (iv) To reduce students' learning capability diversity.
- (v) To support the primary schools to conduct non-conventional learning activities more effectively.
- (vi) To help teachers and parents to understand students' learning progress, strength and weakness.

(2) Targets:

Expected number of beneficiaries: It should be all teachers and students in Christian Alliance H.C. Chan Primary School (CAHCC) as pilot and extend to other primary schools once CIMPLE is matured

(3) Implementation Plan:

(i) Duration: January 2, 2014 to August 30, 2015

(ii) Process / Schedule:

Jan 14 – Aug 14: Requirement specification, system design, development and preliminary testing

Sep 14 – Dec 14: Small scale pilot tests in CAHCC (Visual arts)

Jan 15 – Jun 15: Training workshops and Pilot tests for more subjects in CAHCC

Jul 15 – Aug 15: Seminar/Workshops for dissemination to other school teachers

(iii) Collaboration with other parties / partners:

Christian Alliance H.C.Chan Primary School (CAHCC)

(4) Products:

(i) Deliverables/outcomes:

- A mobile platform with courses materials templates for teaching and learning activities in CAHCC. And this mobile platform is supposed to be easily deployed and used in other schools.

(ii) Dissemination of deliverables / outcomes:

- The mobile platform with courses materials templates will be made available to schools.
- Seminar and workshops will be arranged for teachers regarding the use of system.

(iii) Commercialization potential of deliverables / outcomes:

- eLearning should be one of the major channels on teaching and learning in the nearly decade. The potential market could be huge.

(5) Budget:

(i) Staff cost :

1 PM – Oversee and monitor the project planning and progress (9 Months) HK\$ 207,900

1 AP – Response for programming and technical support (18 Months) HK\$ 321,300

(ii) Equipment: (tablets, cloud based storage server and network devices to be installed at CAHCC) HK\$ 110,000

(iii) General expense (part-time helpers, markers, seminar/workshops, audit fee, promotional items, stationery, reference books and materials) HK\$ 55,000

(6) Evaluation:

(i) Performance indicators: Qualitative comments of the CAHCC teachers and the students (by questionnaires and interviews) and student academic result and other skills' performance

(ii) Outcome measurements: Conduct assessment on student academic result and other skills such as problem solving skill, presentation skill, teamwork and etc.