

# Quality Enhancement Grant Scheme

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| <b>Progress Report</b> | <b>Project No. :</b> |
|------------------------|----------------------|

Reporting Period : From May 2012 (month/year) to October 2012 (month/year)

## Part A

Project Title Development of Mobile Learning Platform, Production of Mobile Learning Content and Integration with Learning Management System

Name of Grantee The Chinese University of Hong Kong – Tung Wah Group of Hospitals Community College

Project Period: From November 2011 (month/year) to October 2013 (month/year)

## Part B

Please use separate A4-size sheets to report the progress with regard to the following aspects:

1. Types and brief descriptions of Project activities held/completed during the reporting period (*the information may be presented in the form of a table*).
2. The dates, time, venues and number of participants / beneficiaries of Project activities held, and resources (e.g. equipment, manpower) used for the implementation of Project activities.
3. Project milestone(s) and deliverables attained at the end of the reporting period and evidence showing the attainment of milestones and deliverables.
4. The percentage, in terms of key tasks, of the Project completed at the end of each reporting period.
5. Project variation\*, if any, during the reporting period, together with details and justifications

Signature:



Organisation Chop:



Name of Authorised Person:

**Prof. Thomas Wong Kwok Shing**

Name of Grantee Organisation:

The Chinese University of Hong Kong – Tung Wah Group of Hospitals Community College

Position of Authorised Person:

Acting President

Date:

13 DEC 2012

\* A separate written application should be submitted to the Grantor for prior written approval.

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## Part B

### Brief description of the project

This project aims to setup a technical infrastructure to enable the production of (and access to) mobile learning contents for students. It includes the provision of a LMS (learning management system) for the students to interact with the teachers outside the classroom.

### Project Activities Summary in Phase 2

1. In the second phase of the project, we completed the development of 18 iLessons (for iPad) for 2 business courses, Operations Management and Quantitative Methods, and 1 sample iLesson on Nursing and Health Science.
2. The Team has also tested 2 different lesson recording systems, Echo360 and Blackboard Collaborate, with the purpose of ensuring that the system's capabilities can fulfill the needs of the College.
3. Moreover, in order to provide more choices on the mobile devices used to view the e-learning contents, we have also tested different formats and approaches to present the content on Android smart phones and tablet display computers.

### Milestones

| Milestones                                   | Status         | Key work done  |
|--|----------------|--|
| Development of e-learning system and content | 100% completed | <b>e-learning system</b> <ul style="list-style-type: none"><li>● The e-learning content development team had the following staff joined in Phase 2:<ul style="list-style-type: none"><li>– Paul Chiang, Content Developer (temporary from 3/7/12 to 7/9/12), was responsible for video scripts transcribing and writing.</li><li>– Arlene Zhao, Content Developer – multimedia (temporary from 17/7/12 - 17/8/12), was responsible for illustration.</li><li>– Zoe Xu, Content Developer (from 9/7/12), is responsible for eBooks and video scripts writing, e-learning materials preparation</li><li>– Vicky Chow, Content Developer – multimedia (from 26/9/12),</li></ul></li></ul> |

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|  |  | <p>is responsible for illustration, graphic design, video shooting and editing</p> <ul style="list-style-type: none"><li>● A web site for e-learning materials download and online self assessment was built<ul style="list-style-type: none"><li>– <a href="http://mytwc.twc.edu.hk/mlearning/m/om01/om01.html">http://mytwc.twc.edu.hk/mlearning/m/om01/om01.html</a> (Appendix I)</li></ul></li></ul> <p><b>Content</b></p> <ul style="list-style-type: none"><li>● The following course lessons were developed in iBook (iPad) format:<ul style="list-style-type: none"><li>– The e-learning materials for 14 lessons of Operations Management were completed (Appendix II)</li><li>– Half of the e-learning lessons for Quantitative Methods have been completed (Appendix III)</li><li>– A sample e-learning lesson for nursing has been developed to provide reference and inspiration for the teachers of the Department of Nursing and Health Science at the College (Appendix IV)</li><li>– We have also implemented eLessons for other mobile devices including iPhones, iPod Touch, Android Smart phones and Tablet Computers (Appendix V)</li></ul></li></ul> <p><b>Lesson Recording System trial</b></p> <ul style="list-style-type: none"><li>● Echo360<ul style="list-style-type: none"><li>– Recorded a lesson on 8/5/12 at venue Rm1402</li><li>– Recorded 2 video sources: CCTV (close caption TV) camera + visualizer</li><li>– Findings: the resolution of CCTV camera was very low and at the same time the visualizer had the problems on lighting and video signal encoding.</li><li>– Solution: use “ExplainEverything” (an application on iPad available from Apple’s App Store) to record similar on-screen demonstration</li><li>– screen shot (Appendix VI)</li></ul></li><li>● Blackboard Collaborate<ul style="list-style-type: none"><li>– Lesson recorded date: 6 July 2012 at venue: 18/F</li></ul></li></ul> |
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|                                      |                | <ul style="list-style-type: none"> <li>- Advantage: straight forward use of web browser and web camera to record the lesson/ teacher's presentation</li> <li>- Disadvantage: recorded lessons require another software (Blackboard Collaborate Publish) to download in order to edit and view offline on mobile device.</li> <li>- Solution: use a screen capture software to capture the recorded video</li> <li>- screen shot (Appendix VI)</li> </ul> |
| Acquisition of software and hardware | 100% completed | <ul style="list-style-type: none"> <li>● Hardware               <ul style="list-style-type: none"> <li>- Google Nexus 7</li> <li>- HDMI cable for iPad</li> </ul> </li> <li>● Software               <ul style="list-style-type: none"> <li>- Keynote</li> <li>- ExplainEverything software application</li> <li>- istock credits (for buying licensed stock photos and video)</li> </ul> </li> </ul>  |

## Other Key Tasks Completed

Presentation of iBooks to college's President and Teaching and Learning Committee

- Date: 22 May 2012
- Venue: Rm1801, 31 Wylie Road, Homantin, Kowloon
- iBooks from 4 lessons of Operations Management were presented and discussions/comments collected from members. (Appendix VII)

### Budget Variance

- In order to include photos and videos in the e-learning materials, a budget variance request was submitted for approval on 20 July 2012.
- The request was approved on 20 July 2012 by e-mail.

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Financial position (1/11/2011 - 31/10/2012)

| Expenditure items               | Approved budget<br>(a) | Committed or actual<br>expenditure<br>(b) | Balance<br>[(a)-(b)] |
|---------------------------------|------------------------|---|----------------------|
| a. Manpower                     | 960,000                | 377,480.16                                | 582,519.84           |
| b. Equipment /<br>facilities    | 508,000                | 39,543.6                                  | 468,456.4            |
| c. Services                     |                        |   |                      |
| d. General expenses             |                        |   |                      |
| e. Others: Project<br>Audit Fee | 15,000                 | 0   | 15,000               |
| <b>Total</b>                    | <b>1,483,000</b>       | <b>417,023.76</b>                         | <b>1,065,976.24</b>  |
| <i>Project Income (if any)</i>  |                        |   |                      |
| <i>Total Balance</i>            |                        |   | <b>1,065,976.24</b>  |