



Completion Report
Project Supported by LTC/OBA Funding*

(Period covered: 1 June 2009 – 30 June 2010)

Part I: General Information

Funding Source (please tick ✓ as appropriate): LTC OBA Funding

Project Code: 2007-08/OBA/CSE2 Host Department: CSE

Project Title: Nurturing Creativity in Outcome-based Learning: Competitions and Physical Modeling in Selected Civil Engineering Subjects

Project Team: Project Leader (Name & Dept): KT Chau, CSE Team Member(s) (Name & Dept): Y. Xia, K.S. Lam, H.C. Wong (CSE)

Part II: Project Details

1. Financial Information

(a) Overview

Approved Funding: + Additional Funding Received (if any): = Total Funding Received:

Source of Additional Funding:

(b) Project Expenditure

* Please give reasons for the revised budget and quote the relevant authority's approval reference where appropriate.

2. Project Schedule

Dates as Stated in Original Proposal:	Start date (dd/mm/yyyy): <input type="text"/>	Completion date (dd/mm/yyyy): <input type="text"/>
Actual Start and Completion Dates:	Start date (dd/mm/yyyy): <u>July 1, 2008</u>	Completion date (dd/mm/yyyy): <u>June 30, 2010</u>
Project Period Extension(s) (if any):	Total no. of extension(s) obtained : <u>0</u> time(s)	Obtained during the project period: For a total of <u>0</u> month(s)
Reason(s) for Extension(s) (if any):	<input type="text"/>	

* LTC: Learning and Teaching Committee

3. Project Implementation

(a) Project objectives

The objectives are promoted learning and teaching through games, competitions and building physical modelling. The main objectives are:

1. Structural Mechanics: Inspiring Creative Thinking and Critical Thinking in the subject "*Structural Mechanics*" through the use of physical modelling in simple structures.
2. Structural Analysis: Development of creativity and teamwork in education of "*Structural Analysis*" through physical model experiment
3. Rock Engineering: Motivating students' interest in rock joint mapping in "*Rock Engineering*" through the use of 3-D physical modelling and 3-D animation of stereographic projection.
4. Soil Mechanics: Development of creativity in "*Soil Mechanics*" through competition in minimizing settlement of model structures on soft clays.

(b) Overview of specific work undertaken for achieving the project objectives (including any changes to original proposal)

1. A bridge contest was successfully implemented at "CSE204 Structural Mechanics II",
2. A sub-project was implemented at "CSE 301 Structural Analysis",
3. A semi-animation powerpoint and a physical model for teaching the stereographic projection plot of rock joints (most difficult topic in rock engineering) has been made for "CSE 411 Rock Engineering"
4. A foundation-competition has been made at "CSE307 Soil Mechanics".

See attached sub-reports for each sub-projects.

(c) Difficulties encountered, if any, which have affected progress, and remedial actions taken

Difficult to recruit Full-time Project Assistant for the project.

(d) Deliverables/useful findings/good practices emerged

The ideas of project, contest, competition and animation powerpoint has been implemented at 4 different subjects at the Department of Civil and Structural Engineering by 4 different teaching staff.

(e) Dissemination activities taken/planned to sustain impact

The implementation of these competition projects and animation teaching will be continued as far as possible.

(f) Self-evaluation or additional information/remarks

Due to the difficulty of recruiting suitable RA, most of the funding has not been spent and will be returned PolyU. In view of the financial crisis in PolyU in the last few years. We think that this is a wise choice. We basically use our own time to implement the ideas set out in the proposal. Therefore, we think that it is a cost-effective and successful learning and teaching project.

Name of Project Leader:



Date: Sep 17, 2010

(in block letters)

Part III: Evaluation by D/SLTC (or by HoD/Director of School[^])

(a) Rating and comments/recommendations on the following areas of the project
(please put a ✓ in 1 of the following 2 ratings and provide comments)

Areas	Rating		Comments and Recommendations
	Satisfaction	Needing attention	
Overall financial management/ use of funding	✓		
Overall project progress	✓		
Outputs /deliverables / dissemination	✓		
Overall rating / comments on the project (Please suggest remedial actions if the rating is 'Needing attention')	✓		

(b) Issues requiring the attention of FLTC/Director of School and/or the funding authority

NIL.

(c) Outputs/deliverables/good practices of the project that can be shared with other subjects, programmes or departments within the Faculty, or with the wider PolyU community

All the four project objectives have been achieved with only 25% of the requested budget.

(d) Additional comments/remarks

Over 75% of the funding has been returned to the university. PolyU should be thankful for this as the university is now in great financial difficulty.

Name of D/SLTC Chair

(or HoD/Director of School):

Wai Wing Hong, Amy
(in block letters)

Date:

Sept. 20, 2010

[^] To be prepared by HoD/Director of School if the PL is also the D/SLTC Chair, or if the Centre/Unit/Office does not have a DLTC.

Part IV: Evaluation by FLTC/Director of School#

(a) Overall rating on the project (please put a ✓ in 1 of the following 2 ratings):

- Satisfactory
- Needing attention

(b) Overall comments and recommendations on the project:

N.C.

(c) Issues requiring the attention of the funding authority:

N.C.

Name of FLTC Chair/
Director-of-School: Prof Geoffrey Shen Date: 22 SEP 2010
(in block letters)

The Director of School or HoD of the Centre/Unit/Office needs not fill this part if he/she has already commented in Part III.

Part V: Response & Follow-up Plan by Project Leader

(Response and follow-up plan is required from the Project Leader if there is any area rated as 'needing attention' in Part III and/or IV.)

Name of Project Leader: _____ Date: _____
(in block letters)

(Signed on p. 2)

Signature of Project Leader

Wai Wai

Signature of D/SLTC (or HoD)@

[Signature]

Signature of FLTC/
Director-of-School

(Name in block letters)

WAI WING HONG

(Name in block letters)

Prof. Geoffrey Shen

(Name in block letters)

@ To be signed by HoD if the PL is also the DLTC Chair, or if the Centre/Unit/Office does not have a DLTC; leave this blank if the PL is also the SLTC Chair.

The Project Leader and D/SLTC Secretary should each keep a copy of this *Completion Report* for records. A copy of this *Completion Report* will be submitted along with the *F/SLTC Annual Report (Form 20)* to LTC/WGOBE as a supporting document.