

BACHELOR OF SCIENCE
Honours Computer and
Information System



COURSEWORK SUBMISSION FORM

Instructions			
1. Please complete the form using Capital Letters.			
2. Coursework must be submitted through the Service counter and it is the responsibility of the student to complete the Coursework Submission Log Book.			
Name of Student:			
E-mail Address:		Contact No:	
Name of Lecturer:	Mr. Peter Lo		
Student ID:		Class Code:	
Subject Code:	U08784 – Software Project Management	Assignment No.:	T3 – 2012
No. of pages including this cover page :		Other Specifications:	CD _____ enclosed
Submission Date:		Due Date:	
Declaration : I declare that this assignment is my original work and that I have acknowledged any use of published or unpublished works of other people. I understand that I will be penalized for plagiarism and late submission .			Signature :

Question													Total
Marker													
Internal Moderator													
External Moderator													

Marker's Comment:

- Please submit **one hard copy and one soft copy** (CD, in one Word File)
- Assignment deadline : on or before 8pm, 13 Dec 2012
- Submission Centre : **5/F, Pacific Center, Tsim Sha Tsui**
- Late submission will not be accepted

**OXFORD BROOKES UNIVERSITY
BACHELOR OF SCIENCE (HONOURS)
U08784 – SOFTWARE PROJECT MANAGEMENT**

TERM 3, 2012

ASSIGNMENT

Assessment for this module is 100% coursework. [There will be no examination or class test but one assignment, which will be assessed in three parts]. Groupwork is to be completed with minimum three members and maximum five members.

You will be submitting three reports as parts 1, 2 and 3 of this assignment and giving a presentation for part 2. The target audience for your reports is **your manager** at InTech Pvt Ltd. He will use them to prepare the final *Project Proposal* “Holiday Planner” System. You should consider yourself as working for InTech Pvt Ltd in preparing for them an **honest report**.

Assignment	Description	Marks	Group / Individual	Due
Part 1	Software Cost and Timescale Estimation	25%	Group [3 - 5 students]	Week 7
Part 2a	Risk Analysis Report	15%	Group [3 - 5 students]	Week 9
Part 2b	Risk Analysis Presentation	10%	Group [3 - 5 students]	Week 9
Part 3	Project Plan, Quality Control and Recommendations	50%	Individual	Week 11

Marks are awarded for the clarity and conciseness in presenting your ideas, as well as the accuracy. You need to show the depth of your analysis and the strength of your reasoning. References are to be included, as we are interested in the depth and breadth of your research.

For this assignment, you are appointed as the Project Manager in coordinating the development activities of an interactive “Holiday Planner” system.

Scenario for “Holiday Planner” System

“The Thomson family enjoy outdoor activity holidays and want to try their hand at sailing this year. There are four members in the family: Sky who is 10 years old, Eamonn who is 15 years old, Claire who is 35 and Will who is 40. While out on a shopping trip they call at the travel agents in their local town to start exploring the possibilities...

The travel organizer is located in a quiet corner of the agents’ office, where there are comfortable seats and play things for young children. They all gather around the organizer and enter their initial set of requirements—a sailing holiday for four novices.

The stand-alone console is designed so that all members of the family can interact easily and comfortably with it. The system’s initial suggestion is that they should consider a flotilla holiday, where several novice crews go sailing together and provide mutual support for first-time sailors...”

Please note that the above scenario is intentionally brief, to enable students to produce a sensible draft set of requirements based on the level of understanding.

In reality, more information may be needed to establish a clear set of requirements. You may make your own assumptions to make the presentation attractive.

Part 1: Software Cost and Timescale Estimation [25%]

This is to be completed as Group work

You are to take on the role of the project manager at InTech Pvt Ltd for a system that is to be developed by your company. You are to prepare a series of reports for your manager at InTech Pvt Ltd. Each of these reports will reflect different information needed by your manager. This process reflects how project plans evolve and develop over time prior to be submitted a final proposal to the customer.

YOUR TASK

For this assignment you should use the standard Function Point [FP] Analysis learnt from this course and explained in the recommended books and other sources.

Based on the information domain research on the similar e-commerce online system, customer requirements with valid assumptions (if any) use Function Point Analysis technique.

OUTCOME

You are to submit a report that contains the following sections:

- (i) Derivation and step by step process of Function Point Estimation technique with support description.
- (ii) Cost estimation, effort and project time determination.

[10 marks]

Other support estimation methods (like LOC, COCOMO and so on) with reasonable justification are to be used to estimate the cost, effort and project time.

[10 marks]

Overall cohesion and clarity

[5 marks]

Part 2: Risk Analysis [25%]
This is to be completed as Group work

You are to continue your role as the project manager at InTech Pvt Ltd planning for the system that is to be developed by your company for the “Holiday Planner” System. You have completed your Estimate of Cost, Effort and Duration and submitted in Assignment Part 1.

Now you must reflect upon the project and your plan, the risks in meeting the deadlines for this project and delivering a successful system on time and within the budget and a complete Risk Analysis.

YOUR TASK

- Complete a Risk Analysis on the project.
- Give a Presentation (to your manager) on your risk analysis.
- Support your Presentation with a Short Report.

OUTCOME

You are to support your presentation with a short report that contains the following:

Risk Analysis [TWO major risks] [15 marks]

Identify **TWO** major risk(s) to achieving success on this project and outline why you have chosen those risks to be monitored, managed and / or eliminated.

Your report may cover the following:

Description of Risk;

Justification for the selection;

Likely impact of the risk on the project if it is not dealt with;

Risk management i.e. how you will manage it

Possible affect on costs and timescale of dealing with the risk.

Presentation [Group] [10 marks]

Part 3: Project Plan, Quality Control and Recommendations [50%]

This is to be completed as an individual piece of work

YOUR TASK

- To date your activities have been concerned with planning and costing the development tasks. Now you must turn your thoughts to the quality assurance for **this project**. Your manager would like to see a new task list and an updated project plan which includes and highlights the **quality assurance activities** associated with the project.
- Your boss is anxious about the project timescales as the User Requirements contains the following clause...

'The system must be live within 8 months of the start of the project. They are prepared for the costs to be increased (within reason) in order to achieve this.'

Consider how to stage the project so it can be completed within 8 months even if it does involve increasing the costs. What new risks does this introduce?

- Come to your own conclusions about how to schedule and cost this project and how to manage the risks. Use your analysis to make recommendations to your manager.

OUTCOME

You are to hand in to be assessed a report that contains the following sections:

- **The quality control tasks for this project** [15 marks]

List the deliverables from each software development activity undertaken by InTech Pvt Ltd (or subcontracted by InTech Pvt Ltd). Describe the quality control task or activities for each deliverable.

- **Strategies for reducing timescales for this project** [15 marks]

Describe your suggestion for how the project could be staged to meet the customer's deadline of completing the project within 8 months (36 weeks) supported with a risk assessment.

- **Your Recommendations and Conclusions** [15 marks]

Come to your own conclusions and recommendations for this project. Outline your recommendations and justify them.

- **Overall cohesion and clarity** [5 marks]

NOTE

Assignment submission will be checked against detection software and work found to have been plagiarized will be referred to Plagiarism Committee.
