

# Software Project Management

## INF3708

### Assignment 03: Due date 16 March 2018 Compulsory

#### ASSIGNMENT 03 - SEMESTER 1

Unique number: 707023

Marks weight: 20%

ASSIGNMENT 02	
Due date	16 March 2018
Study material	Hughes & Cotterell: Chapters 1 and 2
Total marks	40 marks = 100%
<b>If your assignment is late, please DO NOT PHONE OR E-MAIL asking for an extension but include a note in your assignment stating the reason for the late submission and we will decide whether or not it will be marked.</b> This is a compulsory assignment	

#### Instructions:

1. Complete this assignment and submit online in a .pdf format by performing the calculations.
2. The following unique number has to be assigned to the assignment:

<b>Unique Number</b>
<b>707023</b>

3. Show all your working (calculations).
4. This assignment consists of 6 questions.
5. Ensure that the answer you submitted for this assignment your work. Zero mark will be awarded if you copy (any form of coping).

**QUESTIONS FOR ASSIGNMENT 02:**

**Question 1:** [20]

- 1.1 *Discuss in detail what a project authority is. Why is the need of project authority necessary in a project development?* (4)
- 1.2 *A software house has developed a customized order processing system for a client. You are an employee of the software house that has been asked to organize a training course for the end-users of the system. At present, a user handbook has been produced, but no specific training material. A plan is now needed for the project which will set up the delivery of the training courses. The project can be assumed to have been completed when the first training course starts. Among the things that will need to be considered are the following:*
- *Training materials will need to be designed and created;*
  - *A timetable will need to be drafted and agreed;*
  - *Date(s) for the course will need to be arranged;*
  - *The people attending the course will need to be identified and notified;*
  - *Rooms and computer facilities for the course will need to be provided for.*
- A. *Identify the main stakeholders for this project;* (6)
- B. *Draw up a statement of the objectives for this project;* (4)
- C. *For the objectives, identify the measures of effectiveness;* (2)
- D. *For each objective, identify relevant sub-objectives or goals and who would be responsible for each of them* (4)

**Question 2:** [20]

*Consider the cash flows estimate for three Projects A, and B given in the table below (in ZAR, South African rand, R):*

<i>Year</i>	<i>Project A</i>	<i>Project B</i>
<i>0</i>	<i>-210,000</i>	<i>-350,000</i>
<i>1</i>	<i>27,000</i>	<i>100,000</i>
<i>2</i>	<i>35 000</i>	<i>50,000</i>
<i>3</i>	<i>33,500</i>	<i>100,000</i>
<i>4</i>	<i>15,000</i>	<i>120,000</i>
<i>5</i>	<i>58,200</i>	<i>5,000</i>
<i>6</i>	<i>45,000</i>	<i>15,000</i>

*Table of cash flows for Project A, and B*

*Use this information to answer Questions 2.1 – 2.5. Net Present Value at 12% for each of these projects*

*NB: Please show all your calculations*

2. 1. *Calculate the Net Profit for each project.* (4)

2. 2. *Based on your calculation of the Net Profit, which project would you select and why?* (1)
2. 3. *Calculate the Return on Investment (ROI) for each project.* (4)
2. 4. *Based on your calculation of the individual Return on Investment (ROI) of each project in question 2 above, which project would you select to develop?* (1)
2. 5. *Calculate the Payback Period for each project.* (4)
2. 6. *Calculate the Net Present Value for each project.* (6)