

SOFTWARE PROJECT MANAGEMENT ASSIGNMENT 02 FOR INF3708

Assignment 02: Due date 5th of September 2017

Unique number: **890342**

Marks weight: 20%

ASSIGNMENT 02 - SEMESTER 1

ASSIGNMENT 02	
Due date	5 September 2017
Study material	Hughes & Cotterell: Chapters 1, 2 and 3
Total marks	40 marks = 100%
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. 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:

UNIQUE UMBER
890342

3. Show all your working (calculations).
4. This assignment consists of 6 questions.

QUESTIONS FOR ASSIGNMENT 02:**Question 1:****[8 Marks]**

1.1 In your own words explain what is :

(2)

Project management
Project portfolio management

1.2 How would you differentiate between project management and project portfolio management? (6)

Question 2:**[32 Marks]**

Consider the cash flows estimate for three Projects 1, 2 and 3 given in the table below (in ZAR, South African rand, R):

Year	Project 1	Project 2	Project 3
0	- R 175 000	- R 150 000	- R 300 000
1	+ R 15 000	+ R 5 000	+ R 30 000
2	+ R 20 000	+ R 15 000	+ R 30 000
3	+ R 50 000	+ R 20 000	+ R 50 000
4	+ R 50 000	+ R 30 000	+ R 120 000
5	+ R 50 000	+ R 60 000	+ R 120 000
6	+ R 50 000	+ R 90 000	+ R 120 000

Use this information to calculate the **Net Profit**, the **Return on Investment (ROI)**, the **payback period** and the **Net Present Value** at 10% for each of these projects. Then answer Questions 1 – 5.

NB: Please show all your calculations

1. Calculate the Net Profit for each project. (6 marks)
2. Calculate the Return on Investment (ROI) for each project. (6 marks)
3. Calculate the Payback Period for each project. (6 marks)
4. Calculate the Net Present Value for each project. (12 marks)
5. Based on your calculation of the individual NPV of each project in question 4 above, which project would you select to develop? (2 marks)

Good Luck!!