

Course:	Operations Management	Semester:	Fall 2018
Code:	OPM 202	Lecturer:	Dr. Nidhi Oswal
Handout date:	30 th September, 2018	Due date:	10th Nov, 2018
Assignment :	Group	Maximum Marks:	50
Presentation	Rubric	Maximum Marks:	20

Student Name: _____

ID: _____

Student Name: _____

ID: _____

Student Name: _____

ID: _____

1-Learning Outcomes being assessed:

LO3: Select and apply operations management theories, models and tools to case study scenarios using quantitative approaches in analyzing operations problems

LO4: Design and develop an operations management system for manufacturing or service firm at UAE

2-Handing in format instructions

- Sign this page and put it as a cover for your assignment
- Submit on Moodle (turnitin assignment).
- Work must be neat and readable.

3-Marks

Questions	Marks allotted	Marks obtained	Feedback to students
1)	30		
2)	20		
	50		



Program Manager Approval: _____ (Dr. Majdi Khaleeli) _____

4-Academic Integrity

Forms of academic impropriety	Lecturer Findings
1-is there verbatim copying or unidentified and unacknowledged quotation of another's work or from Internet?	
2-is there paraphrasing of another's work by simply changing a few words or altering the order without clear identification and acknowledgement?	
3-is there unauthorized co-operation between a student and another person or student?	
4-others : ☐ viva ☐ progress assessment ☐ changes in writing style ☐ different spelling style	
5- plagiarism report summary using KIC S/W	
Lecturer Conclusion	
 Lecturer's Signature : _____ Dr. Nidhi Oswal _____	

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Important clarification to the students

1-What is the Academic plagiarism

Taking someone else's work and submitting it as your work without adequate mention of the source (as in the table above).

2- Punishment to academic plagiarism

The punishment to academic plagiarism may take the following forms according to level of the academic breach

- 1- Zero in the assignment and receive Academic Warning
- 2- Zero in the assignment and receive Academic Warning with recommendation to the program manger to take more action if the action is repeated (as indicated in the student handbook section # 5).

توضيح هام للطلاب

1- ماهو الانتحال الاكاديمي

تقديم عمل و مجهود شخص اخر على انه من عمل الطالب من غير توضيح مصدر العمل كما هو موضح اعلاه

كتابة و توضيح المراجع والمصادر بشكل دقيق وامين تعفى الطالب من الانتحال الاكاديمي و لكنها لا تضمن بالضروره الحصول على الدرجة الكامله

2- عقوبات الانتحال الاكاديمي

عقوبات الانتحال الاكاديمي و حسب درجة الانتحال و تكراره قد تأخذ احد الاشكال الاتية :

- 1- اعطاء الطالب صفر فى درجة العمل مع انذار اكاديمي يحفظ فى ملف الطالب
- 2- اعطاء الطالب صفر فى درجة العمل مع رفع توصية لمدير البرنامج باتخاذ اجراء تاديبية اخرى فى حالة تكرار الفعل (كما موضح فى دليل الطالب باب 5)

Honor Code Pledge: In case of not complying with the above, the student will be penalized accordingly.

I confirm that I fully understand the above mentioned points regarding Academic Integrity

Student Signature: _____

Student Signature: _____

Assignment Marking Scheme

Problem/question	Marks allotted	Assessment Scheme
QUESTION 1	30	Marks are based on detailed work done by the students. Students should refer to e-book for detailed information on the topics given in assignment. Group should also mention the page # of e-book wherever required. Students can take the help of examples provided in e-book (for e.g. Of Wal-Mart) while designing a manufacturing entity. <u>Reference is must(APA style). 5 marks will be deducted for not providing proper reference.</u>
QUESTION 2	20	Students should solve the question on MS-Excel. Main idea is to enable the student know how to apply various forecasting technique. Students should make a graph. Each student should solve at least 2 parts from each question.

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Group Assignment :

Question 1: As an operation management assistant, you are asked to design a MANUFACTURING entity in UAE. **[30 marks]**

Answer the following questions which are considered in the design:-

1. Introduction about the entity chosen. List any two strategic decisions for the system which you will design. Explain their importance and why you choose them. [2+2+4+2 = 10 marks]
2. Which type of operational processes will you suggest and why? [2 +2 = 4 marks]
3. Write any two advantages and two disadvantages for the proposed operational process. [2×2 = 4 marks]
4. Which operational layout will you suggest for the design? Why? [2+2 = 4 marks]
5. Write one advantage and one disadvantage for the suggested layout. [2 + 2=4 marks]
6. List two sources of product design ideas? Explain one of them. [2×2 = 4 marks]

Question Two: -

[20 marks]

In the e-text book, Read and understand the problem 1on page # 122 of chapter 3 (forecasting). Now, solve the following question on **MS-Excel**. For sales, insert the imaginary units between 50 and 70, for example 52, 65, and so on...

Period/ Year	Sales (000 units)
1	
2	
3	
4	
5	

Prepare a forecast for “year/ period 6” using each of these approaches.

- 1) The appropriate naïve approach. [4 marks]
- 2) A three-period moving averages. [4 marks]
- 3) A weighted average using weights of .40 (most recent), 0.30, and 0.20. [4marks]
- 4) Exponential smoothing with a smoothing constant of 0.40assuming the previous year forecast is based on naïve method. [4 marks]
- 5) Plot the period and their respective sales on graph. [4marks]

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Presentation:

Group is also required to submit a PowerPoint presentation with at least 15 slides that will highlight the important topics in the assignment. It should be given to the class within 5-7 minutes for each student. The presentation will be timed. Avoid reading. The PowerPoint should serve as the guide only and not as pages to read.

PRESENTATION RUBRIC

Area of Evaluation	Features Evaluated	1	0.5	0	Total marks
Personal	Appearance				
	Self- confidence				
	Attitude & interaction				
	Body Language				
Delivery	Introduction				
	Outline of work				
	Talking/ reading				
	Effective conclusion				
Content	Clarity of vision				
	Coverage of topic				
	Accuracy of details				
	Knowledge of speaker				
PowerPoint	Time management				
	Text & image balance				
	Diagrams/tables/charts				
	Attraction/distraction				
Language	Pronunciation				
	Grammatical accuracy				
	Clear and to the point				
	Voice level				
Total Marks	20				

Remarks:



Evaluator Name: Dr. Nidhi Oswal; Evaluator signature:____; Date: _____