IT Project Management IT270



### [Total Mark for this Assignment is 4]

### **Student Details:**

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#### **Instructions:**

- This Assignment must be submitted on Blackboard via the allocated folder.
- Email submission will not be accepted.
- You are advised to make your work clear and well-presented, marks may be reduced for poor presentation.
- You MUST show all your work.
- Late submission will result in ZERO marks being awarded.
- Identical copy from students or other resources will result in ZERO marks for all involved students.
- This is an individual assignment.

### Pg. 02

# **Course Registration Project**

### "Simple Scenario"

- At the beginning of each semester, students get a course catalogue containing a list of course offerings for the semester. Information about each course, such as professor, department, and prerequisites will be included to help students make informed decisions.
- The system will allow students to select four course offerings for the coming semester. In addition, each student will indicate two alternative choices in case the student cannot be assigned to a primary selection.
- Course offerings will have a maximum of ten students and a minimum of three students. A course offering with fewer than three students will be cancelled. Once the registration process is completed for a student, the registration system sends information to the billing system so the student can be billed.
- Professors must be able to access the online system to indicate which courses they will be teaching. They will also need to see which students signed up for their course offerings.
- For each semester, there is a period of time that students can change their schedule. Students must be able to access the system during this time to add or drop courses.

<u>Please read the simple scenario carefully for the project, and answer the</u> <u>following questions:</u>

#### Learning Outcome(s):

- Identify the elements used when developing project management plans.
- Describe the tools and techniques used for directing and implementing projects.
- Discuss the different ways in which project work is monitored and controlled
- Review an organizational case study which incorporates elements for managing a project from start to finish.

## **Question One**

2 Marks

Using Microsoft Project 2007/2010 tool, draw Gantt Chart for "*Course* <u>Registration Project</u>" showing the task name and the duration of each task (Work Breakdown Structure (**WBS**))?

		-			Mar 19 Mar 26 Apr 2 Apr 9 Apr 16
	Task Name	Durat	Start Date	End Date	<u>S S M T W T F S S M T W T F S S M T W T F S S M T W T F S S M T W T F S S M T W T F S S M T W T F S S M T W T F S S</u>
	1. Initiating	5d	19/03/17	23/03/17	1. Initiating
2	1.1 Identify the project sponsor and manager	1d	19/03/17	19/03/17	1.1 Identify the project sponsor and manager
3	1.2 Identify the stakeholders	2d	20/03/17	21/03/17	1.2 Identify the stakeholders
4	1.3 design project charter	2d	22/03/17	23/03/17	1.3 design project charter
5	2. Planning	14d	24/03/17	06/04/17	2. Planning
6	2.1 Determine the requirement	3d	24/03/17	26/03/17	4 2.1 Determine the requirement
7	2.2 Define the scope statement	2d	27/03/17	28/03/17	£ 2.2 Define the scope statement
8	2.3 Create teams' contracts	1d	29/03/17	29/03/17	2.3 Create teams' contracts
9	2.4 Define the strategies	2d	30/03/17	31/03/17	ξ 2.4 Define the strategies
10	2.5 Estimate the cost	2d	01/04/17	02/04/17	§ 2.5 Estimate the cost
	2.6 Collect the resources	3d	03/04/17	05/04/17	2.6 Collect the resources
	2.6 Create WBS	1d	06/04/17	06/04/17	2.6 Create WBS
13	2.7 Create project schedule	2d	07/04/17	08/04/17	2.7 Create project schedule
14	3. Executing	17d	08/04/17	24/04/17	
15	3.1 Develop the executing plan	4d	08/04/17	11/04/17	3.1 Develop the executing plan
16	3.2 Make interviews	4d	10/04/17	13/04/17	3.2 Make interviews
17 📼	3.3 Design website architecture	3d	14/04/17	16/04/17	3.3 Design website architectum
18	3.4 Design the interface	3d	17/04/17	19/04/17	- 3.4 Design the int
19	3.5 Design the database storage	2d	20/04/17	21/04/17	3.5 Desi
20	3.6 Define the registration constraints	3d	22/04/17	24/04/17	
	3.7 Measure the project benefits	2d	23/04/17	24/04/17	
22	4. Monitoring and controlling	10d	23/04/17	02/05/17	
23	4.1 Monitor the registration system	2d	23/04/17	24/04/17	
24	4.2 Monitor the billing system	2d	25/04/17	26/04/17	
25	4.3 Develop the update and request	3d	25/04/17	27/04/17	
26	4.4 Develop the performance reports	3d	27/04/17	29/04/17	
27	4.5 Control the error handling	3d	30/04/17	02/05/17	

	Task Name	Durat	Start Date	End Date	Apr9 Apr16 Apr23 Apr30 May7 FSSMTWTFSSMTWTFSSMTWTFSSMTWTFSSMTWTFSS
		1 2			
	2.2 Denne ure acope atatement	i v	21103111	20/03/17	
8	2.3 Create teams' contracts	1d	29/03/17	29/03/17	
9	2.4 Define the strategies	2d	30/03/17	31/03/17	
10	2.5 Estimate the cost	2d	01/04/17	02/04/17	cost
	2.6 Collect the resources	3d	03/04/17	05/04/17	Collect the resources
12	2.6 Create WBS	1d	06/04/17	06/04/17	2.6 Create WBS
13	2.7 Create project schedule	2d	07/04/17	08/04/17	2.7 Create project schedule
14	3. Executing	17d	08/04/17	24/04/17	3. Executing
15	3.1 Develop the executing plan	4d	08/04/17	11/04/17	3.1 Develop the executing plan
16	3.2 Make interviews	4d	10/04/17	13/04/17	3.2 Make interviews
	3.3 Design website architecture	3d	14/04/17	16/04/17	3.3 Design website architecture
18	3.4 Design the interface	3d	17/04/17	19/04/17	3.4 Design the interface
19	3.5 Design the database storage	2d	20/04/17	21/04/17	3.5 Design the database storage
20	3.6 Define the registration constraints	3d	22/04/17	24/04/17	3.6 Define the registration constraints
	3.7 Measure the project benefits	2d	23/04/17	24/04/17	3.7 Measure the project benefits
	4. Monitoring and controlling	10d	23/04/17	02/05/17	4. Monitoring and controlling
	4.1 Monitor the registration system	2d	23/04/17	24/04/17	4.1 Monitor the registration system
24	4.2 Monitor the billing system	2d	25/04/17	26/04/17	4.2 Monitor the billing system
25	4.3 Develop the update and request	3d	25/04/17	27/04/17	4.3 Develop the update and request
26	4.4 Develop the performance reports	3d	27/04/17	29/04/17	4.4 Develop the performance reports
	4.5 Control the error handling	3d	30/04/17	02/05/17	4.5 Control the error handling
28	5. closing	6d	30/04/17	05/05/17	5. closing
29	5.1 Develop the presentation	1d	30/04/17	30/04/17	5.1 Develop the presentation
30	5.2 Develop the final report	2d	01/05/17	02/05/17	5.2 Develop the final report
	5.3 Submit the system	3d	03/05/17	05/05/17	5.3 Submit the system
33 💌					
4					

#### Learning Outcome(s):

- Explain the strategic planning process and why it is important.
- Review an organizational case study which incorporates elements for managing a project from start to finish.
- Identify the elements used when developing project management plans.
- Describe the tools and techniques used for directing and implementing projects.

## **Question Two**

1 Marks

Using a mind mapping software create a mind map of a SWOT analysis for the "*Course Registration Project*", including at least two strengths, weaknesses, opportunities and threats.



#### Learning Outcome(s):

- Describe the five project management process groups
- Discuss the varying nature by which project
- Review an organizational case study which incorporates elements for managing a project from start to finish.

## **Question Three**

1 Marks

List the key outputs of each process group in the "*Course Registration Project*".

#### Initiating outputs:

- Determining the stakeholders and the responsible manager
- The project charter

#### **Planning outputs:**

- Requirements
- Schedule and strategies.
- Teams' contracts
- Recourses

#### **Executing outputs:**

- Plan has been determined
- Website prototype
- Constraints built

#### Monitoring and controlling outputs:

- Billing system
- Updates and errors handling are considered.