



جامعة الجميع الذكية
EVERYONE'S SMART UNIVERSITY

Everyone's Smart University

Project (Spring 2021)

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Section	Date	Course Code
Master	Thursday 18 / 03 / 2021.	(PMG506)

Advanced project Management

Instructions:

- اخر موعد للتسليم هو يوم الخميس 2021-05-20 في تمام الساعة ٩ مساءً.
- الإجابة متاحة باللغة الإنجليزية أو اللغة العربية مع مراعاة أن تكون المصطلحات العلمية باللغة الانجليزية.
- يتم تسليم المشروع في صيغة ملف pdf مع الالتزام نموذج الجامعة ولن تقبل أي مستندات أخرى.
- يجب مراعاة أقسام البحث الرئيسية (مقدمة Introduction، دراسات علمية سابقة Literature Review، طريقة البحث Methodology، النتائج والمناقشة Results and Discussion ، وأخيراً المراجع References . وان كان هناك ملحقات Appendices يتم إضافتها)
- يجب الالتزام بـ Theme موحد كما يلي:
- حجم الخط 12.
- نوع الخط Arial.
- لون الخط أسود.
- المسافة بين الأسطر 1.5 line spacing
- عدد صفحات البحث (لا يقل عن ثلاث صفحات ولا يزيد عن ست صفحات).

Instructor's Name: ~~Eng. Amaal Aburumman~~ **Eng. Dr. Akram M. S. Ali**

Project:

You are required to document your role in administering a project. The project may be set in a business, social, sporting, or family environment but must be of a significant size and scale. If you do not have an actual project to write about you may complete the project hypothetically.

This report will be between three to six pages in length. This is a significant research project.

Your report must address ~~each~~ **ONE** of the following issues:

1. Identify and describe the purpose, scope, and objectives of the project. **Display this information using an appropriate tool.**
2. Describe how the team is given an outline of the project.
3. Describe the strategies that are going to be set up to maintain communication with the team members.
4. Describe the tools that are going to be used to monitor the goals, time frames or milestones.
5. Identify project milestones and activities. **Display this information using an appropriate tool.**
6. Create a budget and link the costs to the key milestones for a project.
7. Describe how you are going to divide tasks and resources amongst a project team. **Display this information using an appropriate tool.**
8. Briefly describe how the progress will be monitored.
9. How are current project records maintained? Who has responsibility for this? provide some recommendations on how this process could be improved.
10. Describe the current procedure for finalizing projects. Create your own procedure and identify how you will evaluate the success of the project.
11. Legislation that may affect the project including health and safety, and anti-discrimination legislation.

Best of luck...

المشروع:

مطلوب منك توثيق دورك في إدارة مشروع. قد يتم تعيين المشروع في بيئة تجارية أو اجتماعية أو رياضية أو عائلية ولكن يجب أن يكون بحجم مناسب. إذا لم يكن لديك مشروع فعلي لتكتب عنه ، فيمكنك إكمال المشروع افتراضياً. سيتمكن هذا التقرير من ثلاث إلى ست صفحات.

يجب أن يعالج تقريرك ~~كل~~ **احد** القضايا التالية:

1. تحديد ووصف الغرض والنطاق والأهداف من المشروع. اعرض هذه المعلومات باستخدام أداة مناسبة.
2. صف كيف يتم إعطاء الفريق مخططاً تفصيلياً للمشروع.
3. وصف الاستراتيجيات التي سيتم وضعها للحفاظ على التواصل مع أعضاء الفريق.
4. صف الأدوات التي سيتم استخدامها لرصد الأهداف أو الأطر الزمنية أو المعالم.
5. تحديد معالم المشروع والأنشطة. اعرض هذه المعلومات باستخدام أداة مناسبة.
6. إنشاء موازنة وربط التكاليف بالمعالم الرئيسية للمشروع.
7. صف كيف ستقوم بتقسيم المهام والموارد بين فريق المشروع. اعرض هذه المعلومات باستخدام أداة مناسبة.
8. صف بإيجاز كيف سيتم رصد التقدم.
9. كيف يتم الاحتفاظ بسجلات المشروع الحالية؟ من المسؤول عن هذا؟ تقديم بعض التوصيات حول كيفية تحسين هذه العملية.
10. وصف الإجراء الحالي لإنهاء المشاريع. قم بإنشاء الإجراء الخاص بك وحدد كيفية تقييم نجاح المشروع.
11. التشريعات التي قد تؤثر على المشروع بما في ذلك الصحة والسلامة ، وتشريعات مكافحة التمييز.

مع تمنياتي بالتوفيق..

Educational center project milestones and activities

1. Introduction:

Economic, environmental and health changes have greatly increased the importance of many projects, including those related to education, as Corona and the spread of health risks have led to an increase in interest in changing the structure of education and increasing the trend towards distance education. It facilitates education for students.

Projects provided for educational services seek to benefit from the increasing demand for these educational services and thus achieve their goals of profitability, competitiveness and growth, in addition to contributing to the development of the individual, his abilities and skills, and also to support the state in providing its educational programs that have been greatly affected by the changes that have occurred recently, especially the changes and health risks. Therefore, the project aims to identify the basic features of the educational center project and the activities related to its establishment from beginning to end.

The idea of the project:

The idea of the project is based on the establishment of an educational center that provides students with full educational support by providing educational courses, homework, and training courses that work to develop students' capabilities and skills in the academic, academic and practical aspects, through the use of a large and essential group of resources, whether human or financial, technological, machinery, equipment, or other resources necessary to complete this project and do it in the best possible way.

2. Literature Review :

Importance of the project:

This project is of great importance at the level of the student, the university, the project, and the country as a whole, as follows:

1- At the student level:

The project contributes to the development of the student's educational skills and abilities by providing all the educational methods available to him and providing him with all educational courses and training courses that increase his educational and applied skills and experiences in his field of specialization, whether from the academic or applied point of view and therefore we mainly aim to build a university student with

better education and experience A stronger process that ultimately contributes to achieving the best university students in terms of skills, abilities and competencies.

2- At the university level:

The project is of particular importance to the university because it is complementary to the university in facilitating the education process for students and achieving the maximum efficiency and effectiveness possible in the educational services provided to students and helping them to excel in studies. The university and making it rise in its global classification more and more by providing better educational services to its children.

3- At the company level:

The project is of great importance at the company level because it is one of the pioneering projects in the field of business, as it serves the university and society and at the same time from the new projects whose importance has increased in the recent period in light of the trend more towards distance education, and then there is an increasing demand for these The educational services provided by the project more and more in the coming period, thus increasing the sales of the project from its educational services to students, and then increasing the profitability opportunities of the project and increasing the growth rates and competitiveness, especially as it is one of the promising emerging projects.

4- At the state level:

The educational center project is of particular importance at the state level as a whole because it improves the skills, capabilities and experiences of its children and stands next to the state in improving the levels of education in it, and thus responding to the sustainable development goals in the country in reaching the best possible educational levels that contribute effectively to achieving sustainable development goals with sufficient speed and flexibility Required by the state in pursuit of its development goals.

3. Methodology:

The research methodology depends on choosing a set of tools that define accurately the project activities and the interrelationships between these activities and the project time.

4. Results and Discussions

1-Defining, arranging and describing activities in the educational center project:

Defining and drawing the educational center project network accurately first requires a clear identification of the activities that this project is going through, starting with determining the place and site in which the headquarters of the educational program will be built and carrying out all construction operations on it, finishing and equipping it, and providing all technological and human means, machines, equipment and educational programs that achieve efficiency and effectiveness in performing the tasks and activities of the project, and then it is possible to define the basic steps of the activities related to the project provided for educational services, as follows:

Activity symbol	Activity description	Activity time
A	Choose the location of the main headquarters of the project	3
B	Clearance of procedures for building the training and education headquarters	2
C	Equipping the training headquarters with equipment and electronics	1
D	Provide marketing campaigns and promotional services for the center	7
E	Providing trainers working in the training headquarters	6
F	Receiving students at the headquarters or agreeing with him to receive services via the Internet	2
G	To start providing project services to beneficiaries and students	4

2-Arranging activities:

The successful and effective implementation of the project with all its steps, tasks and activities requires the effective coordination of all these activities and their proper arrangement in which they can be implemented in the best possible way, because there is a set of relationships that exist between activities, especially those activities that

depend on each other in implementation, As carrying out a specific activity may require the completion of another previous activity, and then it is possible to determine the nature of the logical arrangement of the activities of the educational center project according to the following table:

Activity symbol	Previous activity	Activity description	Activity time
A	-	Choose the location of the main headquarters of the project	3
B	-	Clearance of procedures for building the training and education headquarters	2
C	-	Equipping the training headquarters with equipment and electronics	1
D	A	Providemarketing campaigns and promotional services for the center	7
E	B	Providing trainers working in the training headquarters	6
F	C	Receiving students at the headquarters or agreeing with him to receive services via the Internet	2
G	D,E	To start providing project services to beneficiaries and students	4

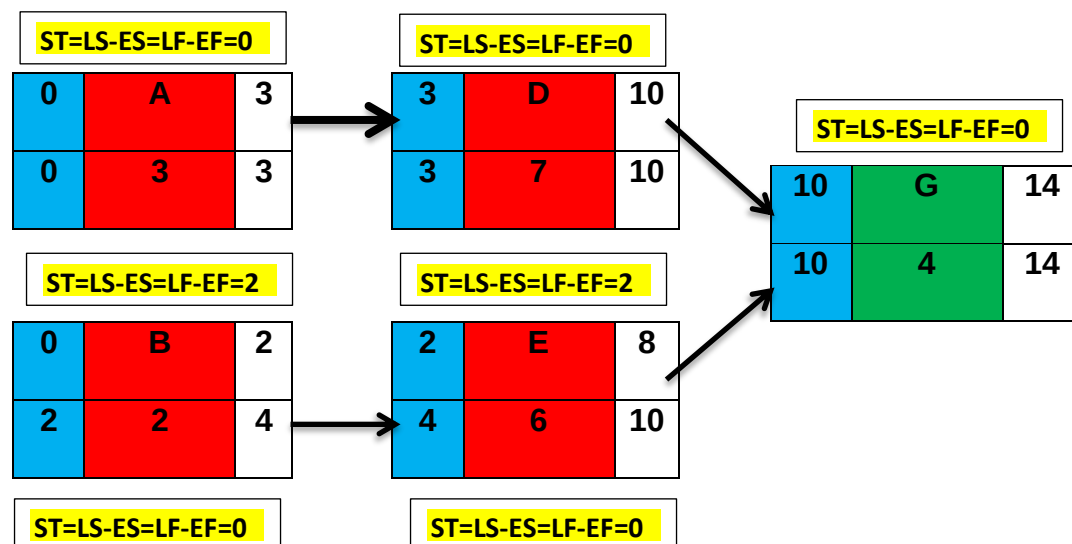
3-Gantt chart for the educational chart project:

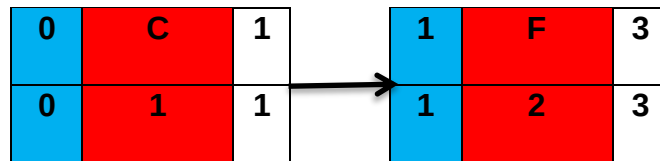
Based on the previous steps for identifying the activities of the educational reinforcement project according to the previous steps, then determining the logical order of these activities and their relations with each other, especially in terms of previous and subsequent activities to each other, then defining a description of each of the activities that are carried out in order to finally present These activities are simplified through what is known as the Gantt chart, which determines the number of activities required to carry out the project, the time of each activity, and the arrangement of each activity according to other activities.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
A																				
B																				
C																				
D																				
E																				
F																				
G																				

4-Educational center Project Network:

The project network can be drawn, early and late starts, early and late ends, and excess time in each of the activities, in a way that ultimately ensures the performance of the project in the best possible way that achieves efficiency and effectiveness in the completion and implementation of the project, as shown in the following figure:





Determining the critical path for the educational center project: The critical path is the longest path that can be identified in the project, and then it is necessary to identify all possible paths for implementing the educational reinforcement project by defining the following group of paths in the project.

- ❖ $A-D-G = 3 + 7 + 4 = 14$
- ❖ $B-E-G = 2 + 6 + 4 = 12$
- ❖ $C-F = 1 + 2 = 3$

Based on the previous figures for the possible paths of the project, the first path is the longest path and therefore it is the critical path in the educational reinforcement project, which is A-D-G, and accordingly the project implementation period will be (14) weeks. The research mainly aimed to identify the basic features of the educational center project at the present time and the basic activities of this project. It was evident from the results of the research that the project achieves many benefits at the level of the individual, the project and the state because it focuses on the aspect of education that works to develop the capabilities, skills and competencies of the individual, It also helps in achieving the project's goals, especially the goals of profitability, growth and competitiveness, and helps in achieving the goals of the state that provides educational services to its citizens, as it was clear from the research results that the project depends on a set of various activities necessary to build the project from start to finish.

5. References:

- ✓ Muhammad, Hind Abdel-Amir, (2021), "Project Planning and Scheduling," available at <http://www.uobabylon.edu.iq/uobcoleges/lecture>
- ✓ Knowledge site, 2021, the Critical Path Method, available at <https://www.marefa.org/>
- ✓ Educba, 2021, project planning and scheduling, available at <https://www.educba.com/project-planning-and-scheduling/>
- ✓ Project manager, 2021, critical path method, available at <https://www.projectmanager.com/critical-path-method>