



جامعة الجميع الذكية
EVERYONE'S SMART UNIVERSITY

Everyone's Smart University

Project (Spring 2021)

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Section

Course

Code

Thursday

Master

Date

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(PMG506)

Advanced project Management

Instructions:

- اخر موعد للتسليم هو يوم الخميس 2021-05-29 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. سيتكون 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 مخططًا تفصيليًا 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..

Hypothetically Project: Establishing an isolation rooms with negative pressure in Emergency Department at KFSH-B

1-INTRODUCTION:

Infectious diseases comprise a major health problem in world countries, Old and emerging infectious diseases, as basic reason affect to morbidity and mortality.

rate worldwide.

as **COVID 19** an example of an airborne infection disease. For this reason, the governments invest considerably on infectious diseases research, to achieve scientific progress and develop effective new structural interventions. and since some hospitalized patients diagnosed with airborne infectious organisms, the transmission within the facility must be prevented and Controlled according to **MOH-CDC** recommendations by following A standard isolation precautions.

To achieve a better performance which will ensure and Maintain safety of patients, health care professionals, and visitors project design by using standard criteria mechanically and geometrically elements on an Isolation negative pressure room effectively is a considerable project to meet safety Demands.

Any newly constructed hospital or renovated hospital for need isolation rooms in any facility will concern the capability of controlling air directions by sealing the room this direct us to Define negative pressure isolation room project: is the term of Using lower air pressure to allow outside air into the segregated environment. This trap and keeps potentially harmful particles within the negative pressure room by preventing internal air from leaving the isolating room.

As a project manager with given authority and responsibility for daily project Management I am responsible for the successful implementation of the project. Using hard and soft skills accordingly. Leading team and manage the work my role not only in the management of the work but also to train the project team to develop their skills to achieve project goals. stand with high level of information and respond properly to any changes it may occur at any stage of project life cycle.

- 1-supervising the planning of the plan.
- 2- Determine the relationships between the parties involved in the implementation of the project.
- 3- Raise the necessary resources for the project.
- 4-Organizing, supervising, and coordinating the teamwork.
- 5- Monitor the implementation of project activities and take appropriate decisions to reform implementation paths.
- 6- Monitor compliance with the cost plan.
- 7- Ensure that subcontractors are at the high level and follow up on the implementation of their work.

in this project research I'm going to talk about project initiation phase which is the point of start aiming to have the complete view and understanding the project in general wither it is achievable or not. Using project charter.

2-METHODOLOGY:

PMBOK and PRINCE2 are most widely used project management methodologies in the world These methodologies cover the scope management area from different way and weight it recognized as project key performance parameters. In this research the I used 2 tools to describe the scope of project from previous study and literature Reviews. The used tools are Gantt chart tool -are useful for planning and scheduling projects. They help you assess how long a project should take, determine the resources needed, and plan the order in which you will complete tasks. They are helpful for managing the dependencies between tasks- Project charter tool. a short document that explains the project in clear, concise wording for high level management and it is outlining the totality of projects to help teams quickly understand the goals, tasks, timelines, and stakeholders.

Table 1-Project Charter:

Hypothetically Project Name: Establishing an isolation rooms with negative pressure at Emergency Department in YGH	
1.1. Purpose and Description of project:	1.1.1 in line with KSA Vision 2030 & among the Development programs aimed by the vision in Health Transformation, as these programs and initiatives work. 1.1.2.to achieve the strategic goals associate with interim goals until 2020, in order to achieve the goals of 2030. 1.1.3.to strengthen prevention against health risk to deal with health crisis including epidemics. Among the strategic Goals of Health Transformation. 1.1.4. To implement additional precautions and precautionary measures for airborne patients.
1.2. Project goals:	1.2.1 To maintain the specific scope of the project. 1.2.2 To execute the project and establish the negative room pressure according to infection control standard in MOH. 1.2.3 To execute 3 negative pressure rooms. Within Emergency Department.
1.3. Project Scope description:	1.3.1. In the scope: 1.3.1.1 Isolation room negative pressure as standardized by MOH) Public Health administration for health facilities infection control. In Emergency Department. 1.3.2. out of the Scope: 1.3.2.1 The project does not include all hospital department. 1.3.2.2 The project does not include all Emergency Department rooms. 1.3.2.3The project does not include any other kind of isolation rooms such as positive pressure rooms isolation, protective isolation).
	1.4.1 completing the project with: 1.4.2 Defined timeframe. 1.4.3 set budget

1.4. Success Criteria:	1.4.4 specifications. 1.4.5 success of deliverables.
1.5. Requirement:	1.5.1 Approval Documents. 1.5.2 Financing. 1.5.3 Project Manager. 1.5.4 Team
1.6. List of the stakeholders: *There should be a stakeholder register contain- (contact details. number or email address , and their classification).it must be available and to be updated at the start of project life cycle.*	1.6.1 Sponsor 1.6.2 Project manager 1.6.3 Subcontractors (CEO). 1.6.4 Project consultant. 1.6.5 Customers: Director of facility 1.6.6 Another Department Nearby project location. 1.6.7 The authorities for obtaining permits and license.
1.7. High Risk:	<u>1.7.1 Legal Risk:</u> 1.7.1.1 Regularity Risk. 1.7.1.2 Compliance Risk. 1.7.1.3 Non contractual Obligations Risk. 1.7.1.4 Reputational Risk. <u>1.7.2 Political Risks:</u> 1.7.2.1 Environmental Regulations Risk 1.7.2.2 Investment Risk 1.7.2.3 VAT Risk <u>1.7.3 Organizational Risks:</u> 1.7.3.1 Unclear Project Policy and Procedures Risk. 1.7.3.2 In-agreement of Project Parties Risk. 1.7.3.3 Misjudgment of Identified Time-Frame Risk <u>1.7.4 Financial Risks:</u> 1.7.4.1 running out of The Set Budget Risk. 1.7.4.2 Investment Risk.

1.8. Project Deliverables:	1.8.1 3 isolation negative pressure rooms conforming to standards of general administration of infection control -Evaluation Report. Closing Report.
1.9. Project Milestone:	1.9.1 (May,01,2021 Project start.) 1.9.2 (October, 01,2021 Project completing (3 isolation negative pressure rooms).
1.10. Expected Budget:	Rs 10 Million
1.11. Signoff: Project sponsor:	Date: May, 01,2021

Table.3. Gantt Chart.

Activities	2021																							
	May				June				July				August				September				October			
	w1	w2	w3	w4	w1	w2	w3	w4	w1	w2	w3	w4	w1	w2	w3	w4	w1	w2	w3	w4	w1	w2		
Initiation	01-05-2021		TO		21-05-2021																		completed	
Planning					22-05-2021		TO		18-06-2021															
Executing								19-06-2021 to 10-09-2021																
Controlling																	11-17/09/2021							
Closing																			18-09-2021 to 01-10-2021					

Gantt charts have become a common technique for representing the phases and activities of a project work breakdown structure (WBS), so they can be understood by a wide audience.

3- Literature Review:

3.1-Significance of Scope in Project Success:

lack of defining project and product or service scope at the start of the project will leads to Undesired outcome, good ideas, huge investments, and great efforts must be supported defining scope to ensure high quality outcomes within time, budgets and specifications. This study discusses that scope should be properly defined and controlled to bring the highest potential of success.

3.2-project Scope Management Through Multiple Perspective:

Project scope, goals is a very essential function which will affect any project success. And project managers must consider defining the project scope, as result uncertainty In project scope directly reflect in the time, budget, and quality of the project. But still Many scholars many years have focused the success factors of project that need more Discussion, therefore, identifying scope is the fundamental tool.

3.3- Front-End Planning- The role of project governance and its impact on scope Change management.

the project scope forms the preliminary baseline and the main goal of it, is defining and confines project scope what is going to be included and what will be excluded, timeline, cost, resources, Risk analysis, and key performance indicators during the project life cycle. Once the statement identified and approved by the stakeholders. Will be used by the project manager for the purpose of controlling, development, improvement of the project to ensure the success to deliver.

4-Results and Discussion:

These two tools are shortly concise the project Scope management Operations. The project scope must be done at the initiation phase to accomplish the project goals and objectives effectively and efficiently. as per PMBOK it is full details list of works; so further change is difficult. And it is depending on project manager to choose the most verified methods resulting from description of the tasks on optimizing the project's scope putting into consideration, scope description, time, cost requirements, project stakeholders, project outcomes, risk.

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كل الشكر لك الدكتور المهندس الفاضل أكرم علي تعلمت الكثير في هذا المشروع البحثي **جعل الله هذا العلم النافع عملاً صالحاً لك**