



جامعة الجميع الذكية
EVERYONE'S SMART UNIVERSITY

Everyone's Smart University

Project (Spring 2021)

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

Advanced project Management

Instructions:

- آخر موعد للتسليم هو يوم الخميس 2021-05-8-20 في تمام الساعة 9 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. سيكون هذا التقرير من ثلاث إلى ست صفحات .

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

1. تحديد ووصف الغرض والنطاق والأهداف من المشروع. اعرض هذه المعلومات باستخدام أداة مناسبة. Interdcde.
2. صف كيف يتم إعطاء الفريق مخططاً تفصيلياً للمشروع. Interducse
3. وصف الاستراتيجيات التي سيتم وضعها للحفاظ على التواصل مع أعضاء الفريق. Literature Review.
4. صف الأدوات التي سيتم استخدامها لرصد الأهداف أو الأطر الزمنية أو المعالم. Literature Review.
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..

Communication Technology Strategy

Projects in general are very important in any organization any organization wants to reach a goal and objectives that the stakeholders need. Some of the organization project is very sensitive means projects must be complete on time for patients purpose.

Healthcare industry is very sensitive area. The entire project that related to Healthcare organization is related to patient safety and needs. In that case, any project must be delivered to stakeholders on time and zero risk. Stakeholders (nursing department) are so careful about the projects because the care about patient's needs. They have a lot of requirements that make any project difficult for the project managers and have more challenges to control the project from the beginning to the end. They have specific .criteria from the JCI organization for any projects

As IT department we have systems related to patients in nursing department. Some of them are devices or system is very important to the department. We have over 500 beds around the hospital and divided to four sections. The project that introduce to our IT department from the nursing department to install a system called (Nursing Call System). This system is very important to patient's rooms to call the nurses for .assistant

Last year, I assign to be a project manager for nurse call system in nursing department in each room in four wards. I had challenges in this project in a very difficult situation and time. The project was On COVID-19 time and most of the isolation rooms that assigned to the project were having Covid-19 patients. The goal of the project to have devices that helps patients to call nurses for assistant.

Target of the Nurse Call System Project.

The primary goal from for the research to approve how is the technology communication make the project success during COVID-19. In that time, many of the projects delayed to other time but, in this project we succeed. In the beginning of the project, we call for a meeting to introduce our project to members and team work. As showing below this is the members of the meeting that assign to explain the details plan for the project.

Figure 1.

Member Of the Project	Position Title
Project Manager	IT department
Meeting Coordinator	Project Coordinator
Hardware and Software Engineer	IT Department
Network Engineer	IT department
Contractor representative	Project Supervisor
Nursing Manager (stakeholders)	Nursing Department

In This Meeting, we were discussing about the target of the project and what are the system can be eligible to our standard and make the patient satisfied about the system. Also, we addressed the project ideas from the members. During COVID-19 pandemic we agreed that all our meeting will be through online to make sure that we are on track with the project.

We define our target which is installing a new system for (Nurse Call System) for 500 beds as showing below.

Figure 2.

Area to be install (Patients rooms)	No. Of Beds	Estimate time To Install
Male Ward	100	2 weeks
Female Ward	100	2 weeks
ICU Ward	100	2 weeks
Maternity Ward	100	One week
Pedia Ward	100	2 weeks

Literature Review and Conceptual framework

When I assign to me a project manager for this project I used the skills of communication in projects. Communication is very important in any projects to be succeeded to reach a goal. In many research they talk about the communication in projects and how is that important to project process. Most of researches focused in communication and how that primary factor is important to the stakeholders to contact with team members¹. We can define communication in project in general, is the message or information that deliver to team members by using email and meeting to be official. The primary goal from the communication to make sure the plan, control and manage the project from the beginning to the end. In these terms, planning, controlling and managing are the Strategy for our project to be connected as a team. For planning time we made a progress as a team to plan how is the work is going to be what is the estimate time for the projects based on the stakeholder's (Nursing Department) as showed in figure 2. After we all make clear for the information that and as a project manager I have to make sure all the information has been delivered to the team work to process the project with clear ideas. For the monitoring part it has to be all the information about the project document as we did with our project. Every meeting and every step either further or delay must to be documented as a report.

Nowadays, communication became much easier than before. All the information are available everywhere and it is easy to find it. Commutation project has many methods to deliver the information form the person to the person. Technology development these days such as telephone and emails. These methods are common to distribute the message to the team work or stakeholder's for any action situation might happened. Some of the research mentioned in their article about the impact of the technology commutation and how that is will affect the organization negatively in work area and it

¹ H. Frank Cervone. [Effective communication for project success](#). OCLC Micro, 2014

will cost a lot of conflict work flow to achieve the goal of the origination². In that case projects will have negative impact if there is no commutation between the stakeholder's and the teamwork.

As a project leader I assign the team to make sure there is now conflict process will face in the future. The dead line of the project is three months so; each member will be responsibility for each part of the project as shown below:

Figure 3.

Member Of the Project	Task & duties	Deadline
Project Manager (IT)	To follow the work process and receive the reports and update from the members or any delay.	The entire Project
Electrical Engineer		
Network Engineer	Configuration the network Switches	Two Weeks
Biomed Engineer	Medical Device	One Month
Safety Engineer	Safety of civil work and make sure they follow the guidelines	Three Months with Contactors
Contractor representative	Devices Installation and System	Three Months

Methodology

The approach for this research is to be prove that communication is the primary case and how is the communication is very important. As we get through project as we find that we must make meeting during the project stages. During Covid-19 we cannot make face to face meeting so, we used the communication technology to save our project and limit the risks that occurred during the project. This is a primary reason that we continue the project because the contractor was outside of Saudi Arabia and they could not come because the lockdown in many countries.

² Madara PRATT, Sarma CAKULA. [Baltic Journal of Modern Computing](#). Modern Computing, Vol. 8 (2020),

Results and Discussion

As a result, for the research is very important there is no conflict from the beginning of the project to the end. It is necessary that the project manager follow the instruction to maintain the project. It must be calculated at the risk that might come up with the plan section and how these risks will solve once it happened. In our project COVID-19 was the main risk that appears on the project. The project is impossible to be delayed in another time because it is related to patient safety. In this project, we must go through the plan by monitoring the risks. The main factor that helps us in the project is the online meeting. During COVID-19 the contract company that we are working the project with did not come to Saudi Arabia through the lockdown in many countries. We did our meeting through online and it helps us to solve many issues. This figure shows the risk that occurred during the project and how we solve them before the deadline.

Name of Risk	Risks	Probability	Solution
Project Manager	Handling the project scope make sure everything is under control	70%	Make sure that project going on plan call meeting for any delay
Meeting Coordinator	Coordinate online meeting during Covid-19	50%	Make sure the
Hardware and Software Engineer	Installation of devices in specific time	90%	Make sure to have enough time and make a plan for each room
Network Engineer	Configuration the devices on time without delay	80%	Make sure the configuration is ready before the installation time
Contractor representative	Responsible for civil works	70%	Contact with nursing department to make schedule for each

			room
Nursing Manager (stakeholders)	Managing the rooms for contractor during Covid- 19	95%	Provide the safety pan for worker to inter the room with all precautionary measures

Conclusion

During this project, we had a lot of challenges and risks that might happened in any project. Covid-19 was a risk that made us change the plans many times because is a risk that we did not have in our mind and it happened suddenly. In a critical area like the hospitality industry a risk will be high if the risk comes from a global pandemic that we affect the hospital industry first especially, the project that related to patient safety. That is why our project got delay because this risk is uncertainty risk that it did not come to our plan. Communication technology is the solution that we had during the project. Because we cannot do any face to face meeting we used the online video conference to manage, plan and control the project without that we will not go any further in the project because the communication was the key for complete the project.

Reference

- 1- H. Frank Cervone. [Effective communication for project success](#). OCLC Micro, 2014
- 2- Madara PRATT, Sarma CAKULA. [Baltic Journal of Modern Computing](#). Modern Computing, Vol. 8 (2020),