



جامعة الجميع الذكية
EVERYONE'S SMART UNIVERSITY

Everyone's Smart University

Project (Spring 2021)

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Section	Course	Code	Date
		Thursday	
		Master	18 / 03 / 2021.

(PMG506)

Advanced project Management

Instructions:

- اخر موعد للتسليم هو يوم الخميس 2021-05-~~820~~ 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~~ **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..

Project: Implement linear programming for Oil & gas and Petrochemical Plants

1. Introduction

The global business environment involves high levels of risk and complexity, which is a necessary condition for future growth and development of new products.

In particular, project managers have to deal with dynamic change in business impact company profitability. As a result, develop linear programming is one of key solution consideration in many business areas which impacts profitability, efficiency and sustainability.

In this project will give overview and emphasize on impact in company profitability for oil and gas & petrochemicals industry as consequence of US-China trade war following by COVID-19 pandemic recently.

My title in this project: Project Manager (leader).

2. Literature Review

2.1. Definition of Project

A Guide to the Project Management Body of Knowledge (PMBOK® Guide) [1] defines a project as "...a temporary endeavor undertaken to create a unique product, service, or result."

"Project" refers to the work that is performed to develop a linear programming product. Projects produce products. A project is temporary because it has a definite beginning and a definite end. The outcome is unique because it differs in some distinguishing way from all similar products or services.

2.2. Definition of Project Management

The PMBOK® Guide [1] defines project management as “**the application of knowledge, skills, tools, and techniques to project activities in order to meet project requirements**”. Project management balances competing demands (scope, time, cost, quality, requirements, expectation of various stakeholders, etc.) throughout the project lifecycle and involves the interaction of three elements:

- **People** — People perform the work and determine the success or failure of a project.
- **Processes** — Processes specify products or deliverables required for the project and identify who will perform the work and when.
- **Tools** — People use predefined tools and techniques to manage the project.

3. Methodology

3.1. Purpose

Proper allocation for cracker production considering market dynamic change.

3.2. Scope

3.2.1. Inside Scope

Deliver linear programming simulation for Oil & Gas and Petrochemical Plants.

3.2.2. Outside Scope

Provide market outlook for Oil & Gas and Petrochemical products.

3.3. Objective

Optimize plant operations in order to maximize overall gross margins.

3.4. Project Communication Strategies

Due to current impact for COVID-19 pandemic, as project leader we agreed with vendor to conduct weekly meeting though Skype to discuss project progress and ensure project deliveries moving as per plan.

3.5. Project Milestone and activities

3.5.1. Project Milestone

No.	Milestone	Deliverables	Plan Date	Actual Date
1.	Completion of Kick off meeting	Kick off meeting	15 th Jan 2020	15 th Jan 2020
2.	Issuance of FDS document for implantation	FDS document	28 th Feb 2020	28 th Feb 2020
3.	Intermediate model review	Preliminary model	31 st May 2020	31 st May 2020
4.	Delivery of the single model	Single period model	30 th Sep 2020	10 th Sep 2020
5.	Completion model tuning	Final model	31 st Dec 2020	15 th Dec 2020

3.5.2. Project activities

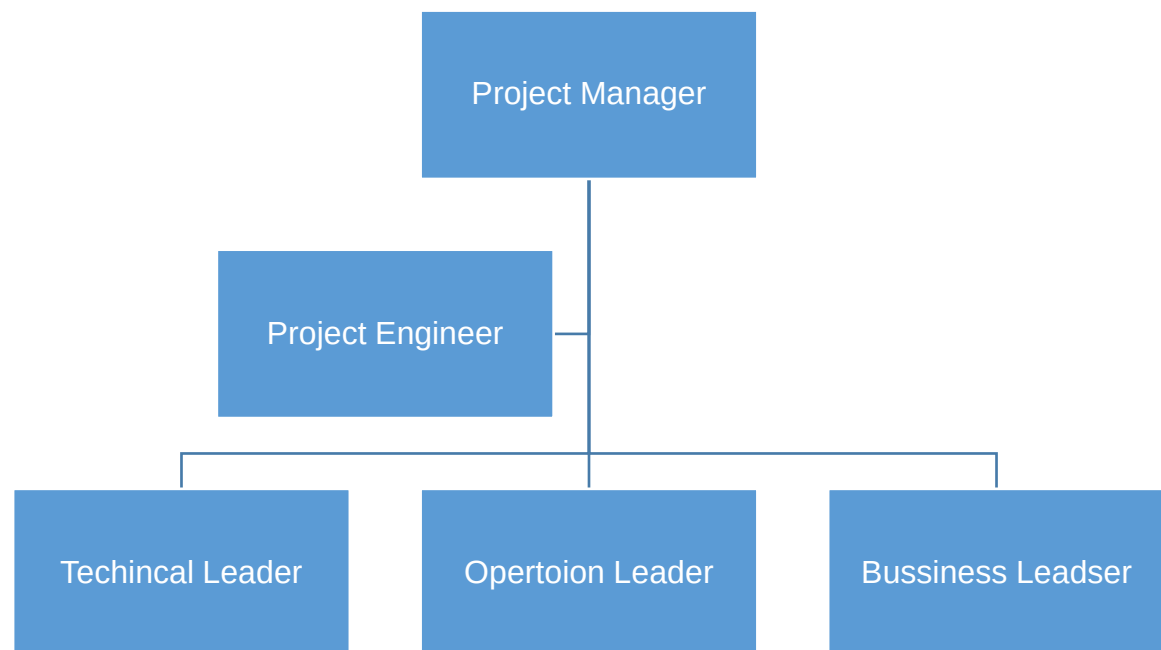
- Conduct a project kickoff meeting and design discussion to achieve alignment on project scope and method of execution.
- Collect required data and Information to develop the solution.

- Develop a Functional Design Specification (FDS) to describe the detailed functional requirements of the solution.
- Configure the solution at the customer offices.
- Deliver and validate the solution at customer site
- Complete required documentation.
- Provide usage and solution tuning support.
- Get approval for final model.
- Close project

3.6. Project Budget

No.	Description	Value (USD)
1.	Completion of kick off meeting	10,000
2.	Issuance of FDS document	20,000
3.	intermediate model review	30,0000
4.	single period model	50,000
5.	Final Model	20,000

3.7. Project Organization



4. Result and Discussion

At the end of this project we complete project scope within target time and below budget by **10,000 USD**.

We will capture all lesson & learn from this project in OPA to be utilizing for future projects within organization.

Finally we will close project after get endorsement from technical team to start implantation for model.

5. References

1. Project Management Body of Knowledge (PMBOK) Guide, Third Edition.