



جامعة الجميع الذكية
EVERYONE'S SMART UNIVERSITY

Everyone's Smart University

Project (Spring 2021)

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Section

Master

(PMG506)

Date Thursday

Course Code

18/03/2021.

Advanced project Management

Instructions:

- اخر موعد للتسليم هو يوم الخميس ٢٠٢١-٠٥-٢٥ 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 ١٢.
- نوع الخط Arial.
- لون الخط أسود.
- المسافة بين الأسطر ١,٥ 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. ستكون هذا التقرير من ثلاث إلى ست صفحات.

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

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

مع تمنياتي بالتوفيق..

Project: (KGP KHURSANIYAH GAS PLANT UPS/BC BATTERY BANK SPLITTING PROJECT)

Our report addressed each of the following issues:

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

Identify and describe the purpose, scope, and objectives of the project.

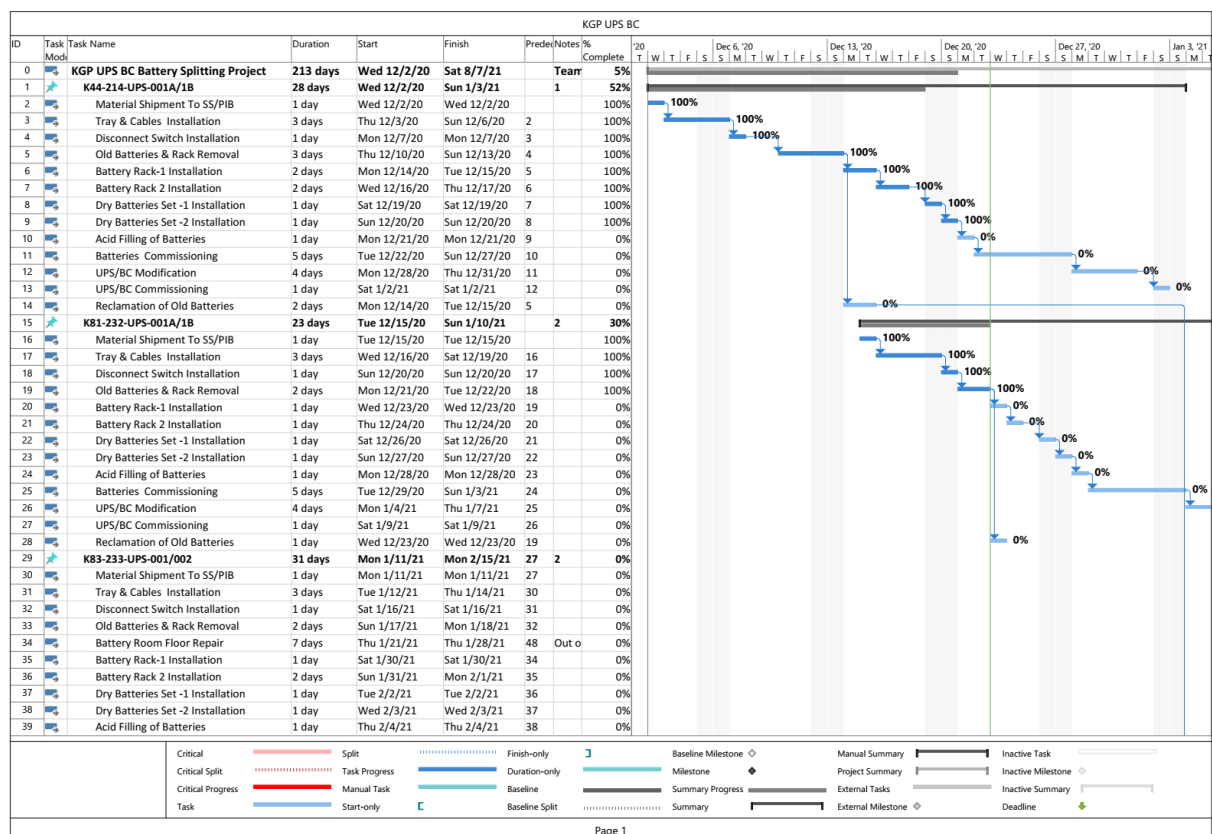
Re-configure all the battery banks system as two-banks of 50% capacity each for the UPS and Battery Chargers systems for reliability and availability enhancements according to SAES-P-103 standard

(see attached presentation file)

1. Describe how the team is given an outline of the project.
(kick of meetings file, presentation and contract doc.)
2. Describe the strategies that are going to be set up to maintain communication with the team members.

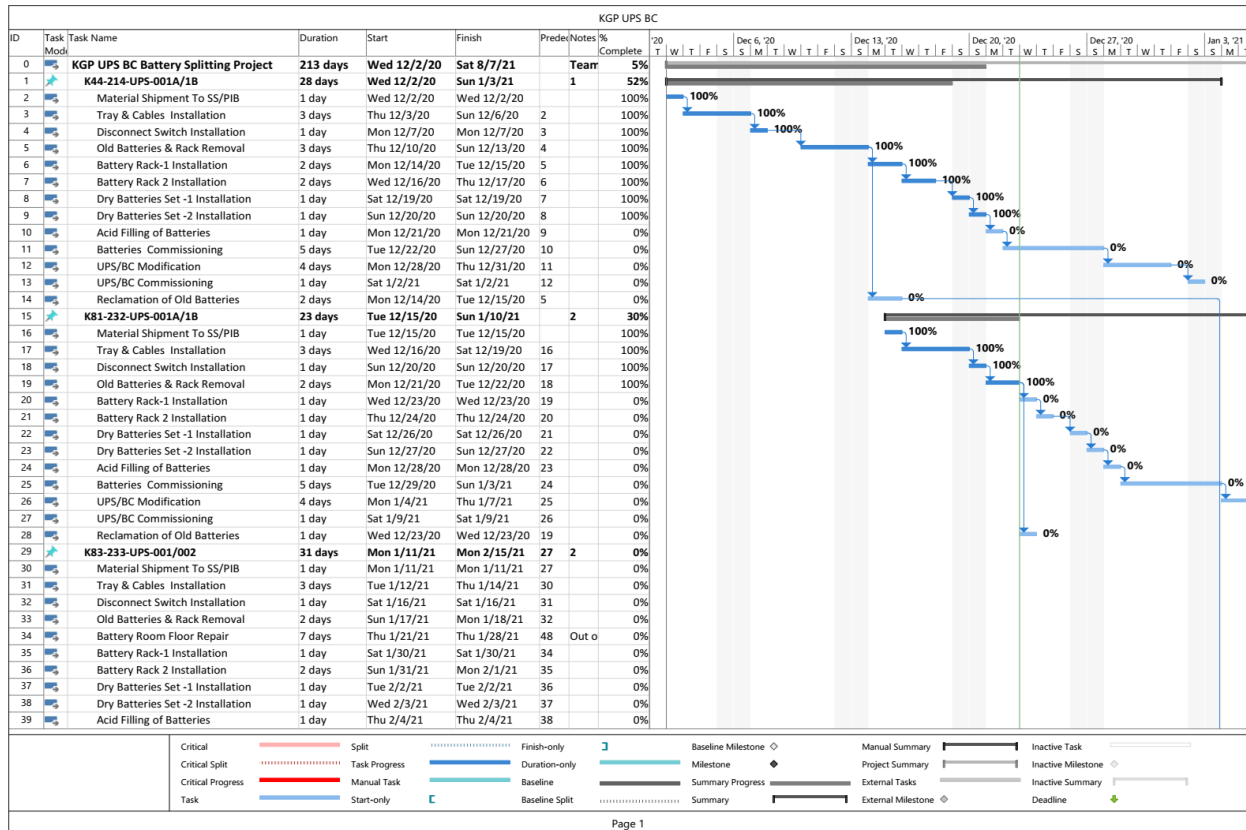
(communication plan)

Describe the tools that are going to be used to monitor the goals, time frames or milestones.



(MS project as attached plan)

3. Identify project milestones and activities.



(MS project as attached plan and milestone in kickoff meeting presentation)

4. Create a budget and link the costs to the key milestones for a project.

Cost Center	ORIGINAL BUDGET
MATERIAL	SAR 60,497
LABOR	SAR 183,600
EQUIPMENT	SAR 0
SUBCONTRACT	SAR 5,522,473
Project Indirect Cost	SAR 1,064,485
Head Office Over Head	SAR 539,000
Contingency	SAR 77,000
<u>TOTAL ORIGINAL BUDGET</u>	SAR 7,447,055

ITEM	CONTRACT PRICE
ENGINEERING	SAR 4,850,375
MAJOR MATERIAL	SAR 2,849,634
<u>CONTRACT PRICE</u>	SAR 7,700,009

(attached complete budget file)

5. Describe how you are going to divide tasks and resources amongst a project team.

According to the contract there are 2 teams consist of

- 1- 1 Electrical site engineer.
- 2- 2 approved CWQAP technician's
- 3- 5 skilled labors.

Each team responsible for 1 substation for 25 day until complete and close all tasks inside **and** update the plan daily from site engineer productivity report.

Task Name	Duration	Start Date	End Date	Status	Remarks
K90-226-UPS	17 days				
INSTALLATION OF FUSE BOX AND LAYING THE CONDUITS, CABLE TRAYS AND CABLES	5 days	8/24/2020	8/30/2020	Completed	DUE TO ERECTION OF SCAFFOLDING IT TOOK 5 DAYS TO COMPLETE
OLD RACKS AND BATTERIES REMOVAL FROM BATTERY ROOM	1 days	8/31/2020	8/31/2020	Completed	
BATTERY RACK A AND B ASSEMBLING AND FIXING	1 day	9/1/2020	9/1/2020	Completed	

NEW BATTERY BANK A AND B INSTALLATION ALONG WITH JUMPERS	2 day	9/2/2020	9/3/2020	Completed	
INSPECTION BY ARAMCO FOR THE ABOVE COLD ACTIVITIES AND WORKING ON THE PUNCH LIST	1 day	9/5/2020	9/5/2020	Completed	
BATTERY A AND B COMMISSIONING (FILLING/CHARGING/DISCHARGING/RE CHARGING)	4 days	9/6/2020		working on this task	CHARGING COMPLETE D
INTERNAL AC-UPS SPLITTING BATTERY LINE AND INTERNAL AC-UPS MODIFICATION	2 days	9/10/2020		Not yet Started	
AC-UPS TEST AND COMMISSIONING, FINAL SERVICE REPORT WITH DESCRIBED ACTIVITIES AND TEST RESULTS	1 day	9/13/2020		Not yet Started	

Attached Excel sheet

6. Briefly describe how the progress will be monitored.

Task Name	Duration	Start Date	End Date	Status	Remarks
K90-226-UPS	17 days				
INSTALLATION OF FUSE BOX AND LAYING THE CONDUITS, CABLE TRAYS AND CABLES	5 days	8/24/2020	8/30/2020	Completed	DUE TO ERECTION OF SCAFFOLDING IT TOOK 5 DAYS TO COMPLETE

OLD RACKS AND BATTERIES REMOVAL FROM BATTERY ROOM	1 days	8/31/2020	8/31/2020	0	Completed	
BATTERY RACK A AND B ASSEMBLING AND FIXING	1 day	9/1/2020	9/1/2020	9/1/2020	Completed	
NEW BATTERY BANK A AND B INSTALLATION ALONG WITH JUMPERS	2 day	9/2/2020	9/2/2020	9/3/2020	Completed	
INSPECTION BY ARAMCO FOR THE ABOVE COLD ACTIVITIES AND WORKING ON THE PUNCH LIST	1 day	9/5/2020	9/5/2020	9/5/2020	Completed	
BATTERY A AND B COMMISSIONING (FILLING/CHARGING/DISCHARGING/RE CHARGING)	4 days	9/6/2020	9/6/2020	9/6/2020	working on this task	CHARGING COMPLETE D
INTERNAL AC-UPS SPLITTING BATTERY LINE AND INTERNAL AC-UPS MODIFICATION	2 days	9/10/2020	9/10/2020	9/10/2020	Not yet Started	
AC-UPS TEST AND COMMISSIONING, FINAL SERVICE REPORT WITH DESCRIBED ACTIVITIES AND TEST RESULTS	1 day	9/13/2020	9/13/2020	9/13/2020	Not yet Started	

(productivity sheet then reflected to MS project plan)

9.How are current project records maintained? Who has responsibility for this? provide some recommendations on how this process could be improved.

Project records maintained daily by site engineer as attached daily report .

this process could be improved by primavera to link activities

7. Describe the current procedure for finalizing projects. Create your own procedure and identify how you will evaluate the success of the project.
 - b. Complete the implementation stage.
 - c. Inspection stage.

- d. Punchlist Clearance.
 - e. NMR 603 - As Built documentation Submission.
 - f. submit Invoices.
 - g. Demobilize equipment's.
 - h. Save and assign lesson learned in the project based on Issues and risks.
 - i. will evaluate the success of the project as difference between baseline and actual data (schedule, budget).
8. Legislation that may affect the project including health and safety, and anti-discrimination legislation.

Attached JSA_rev2