



جامعة الجميع الذكية
EVERYONE'S SMART UNIVERSITY

Everyone's Smart University

Assignment 1(Spring 2021)

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Section

Bachelor

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Course Code

PMG101

PROJECT MANAGEMENT

Instructions:

أكتب في حدود صفحة واحدة الى صفحتين كحد اقصى كاجابه للتكليف (assignment) ويمكنك الكتابة باللغة الإنجليزية او باللغة العربية وفي هذه الحالة اكتب المصطلحات الرئيسية بالانجليزية بين قوسين وبعد الانتهاء حول الملف الى pdf وارفعه على Moodle. سيكون هذا التكليف من 4 درجات وسيتم اغلاق هذا التكليف يوم الاثنين 1 مارس 2021 الساعة 9 مساء بتوقيت السعودية (اي انه لن تكون قادر على تسليم هذا التكليف بعد هذا الوقت). وبالتوفيق لكم طلابي الأعزاء.

Instructor's Name: Dr. Walaa Mohamed

Question:

Al Baraka Construction Company will start a project to create a residential compound in a new city:

- 1- Put phases of project management and activities that will be done inside each phase from your point of view.
- 2- You are required to identify all the internal and external stakeholders of this project from your point of view.

السؤال باللغة العربية:

ستقوم شركة البركة للإنشاءات ببدء مشروع لعمل مجمع سكني بمدينة جديدة:

- 1- ضع مراحل إدارة المشروع والأنشطة التي ستكون داخل كل مرحلة من وجهة نظرك.
- 2- وحدد كل أصحاب المصالح الخارجيين والداخليين في هذا المشروع من وجهة نظرك.

الإجابة:

1. Life Cycle Phases of Al-Barakah in Construction Project

Al-Baakah construction project, has following five major life cycle phases:

1. Initiation
2. Planning
3. Execution
4. Performance and monitoring
5. Closure

1. Initiation Phase of Al-Barakah Construction Project:

We have to create and evaluate the project in order to determine if it is feasible and if it should be undertaken, at the beginning of the project.

A suitable response to the need is documented in a business case with recommended solution options. A feasibility study is conducted to examine whether each option clearly identifies the project objective and a final recommended solution is determined.

When a solution is approved, a project is initiated to implement the approved solution. For this, a project manager is appointed. At this stage, the major deliverables and the participating work groups are identified.

2. Planning Phase of Al-Barakah Construction Project:

The planning phase involves further development of the project in detail to meet the project's objective. The team identifies all of the work to be done. The project's tasks and resource requirements are identified, along with the strategy for producing them.

In a broader sense identification of each activity as well as their resource allocation is also carried out. A project plan outlining the activities, tasks, dependencies, and timeframes is created.

The project manager is the one who coordinates the preparation of a project budget by providing cost estimates for the labor, equipment, and materials costs.

The budget of the project already estimated is used to monitor and control cost expenditures during project implementation.

Finally, we require a document to show the quality plan, providing quality targets, assurance, and control measures, along with an acceptance plan, listing the criteria to be met to gain customer acceptance.

3. Execution Phase of Al-Barakah Construction Project:

This is the implementation phase, where the project plan is put into motion and the work of the project is performed practically on site. It is essential to maintain control and communicate as needed during each implementation stages.

Progress should be continuously monitored and appropriate adjustments are made and recorded as variances from the original plan. A project manager is the one who spends most of the time in this step. Throughout the project implementation, people carry out the tasks, and progress information is being reported through regular project team meetings.

The project manager uses this information to preserve control over the direction of the project by comparing the progress reports with the project plan to measure the performance of the project activities. If any deviation is found from the already defined plan corrective measures are made.

When deliverables have been produced and the customer has agreed on the final solution, the project is said to be ready for closure.

4. Performance and Monitoring Phase of Al-Barakah Construction Project:

This stage is all related to the measurement of progress and performance to make sure that items are tracking with the project management scheduling. This phase regularly happens at the same time as the execution phase.

5. Closure Phase of Al-Barakah Construction Project:

During the final closure, the importance is on providing the final deliverables to the customer, that is:

- Handing over project documentation to the business
- Termination of supplier contracts
- Releasing project resources
- Communicate the closure of the project to all stakeholders.
- Last and final is to conduct lessons-learned studies to examine what went well and what didn't.

2. Identifying Stakeholders

The definition for the Internal and External Stakeholders for this project is:

- **Internal project stakeholders** generally include the project sponsor, project team, support staff, employees, and internal customers for the project. Other internal stakeholders include top management, other functional managers, and other project managers.
- **External project stakeholders** include the project's customers (if they are external to the organization), competitors, suppliers, and other external groups that are potentially involved in the project or affected by it, such as government officials and concerned citizens.

Construction stakeholder	Role/skill set	Stakeholder Type (Internal/External)
Site Joiner	Craft	Internal Stakeholders
Shop fitter		
Wood machinist		
Bricklayers		
General construction		
Labourer		
Painter and Decorator		
Ceiling Fixer		
Thatcher		
Roofer		
Scaffolder		
Plant Mechanic		
Plant Operator		
Plasterer		
Demolition Operative		
Steel erectors/structural		
Electrician		
Client	Customer	External Stakeholders

Construction stakeholder	Role/skill set	Stakeholder Type (Internal/External)
Project Manager	Professional/managerial	Internal Stakeholders
Architects		
Site Supervisor		
Structural Engineer		
Geospatial Modeler		
Quantity Surveyor		
Building Surveyor		
Hydrographic Surveyor		
Construction Manager		
Site Foreman		
Planner		
Facilities Manager		
Town Planner		
Managing Director		
Chairman		
Contracts Manager		
Commercial Manager		
Investors	Funding	External Stakeholder
Suppliers	Group or department	Internal Stakeholders
Pressure groups		
Trade associations		
Regulatory authorities		
Emergency services		
Marketing		
Procurement		

Construction stakeholder	Role/skill set	Stakeholder Type (Internal/External)
Civil Engineer	Technical	Internal Stakeholders
Architectural Technician		Internal Stakeholders
Buyer		External Stakeholders
CAD operator		Internal Stakeholders
Construction Technician		
Estimator		External Stakeholders
Plant Technician		Internal Stakeholders
Roofing Technician		
Environmental regulators	Statutory authorities/regulators	External Stakeholders
Planning authorities		
Building Control/Building Regulations		
Transport and Infrastructure		
Waterways and coastal authorities		

- For some of the manpower resources, it could be outsourced and in this case, it will be an external stakeholder.