



جامعة الجميع الذكية
EVERYONE'S SMART UNIVERSITY

Everyone's Smart University

Project (Spring 2021)

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Section

Master

Date

Thursday

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Course Code

(PMG506)

Advanced project Management

Instructions:

- آخر موعد للتسليم هو يوم الخميس 2021-05-20 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. Dr. Akram Mustafa Suliman Ali

OFFICE BUILDING AND PARKING LOT PROJECT MANAGEMENT

Introduction

Project management is a critical discipline that employs information about processes, expertise, resources, results, and strategies to ensure a robust road to project completion in achieving company objectives and needs. The building blocks of each project are time, expense, and efficiency [1].

- Time or schedule is a list of tools used to create and submit timetables showing when the work is carried out.
- Cost identifies how funds and finance have to be acquired and managed.
- Quality identifies how fitness is guaranteed for the deliverables and processes of management.

Literature Review

The project goal is identified by the customers or stakeholders, and the project manager uses the project management methodologies to provide a schedule to identify the assignment of resources, activities, goals, and results required to satisfy the needs of stakeholders. There are 5 phases in any project, and they are [2]:

- Initiation
- Planning
- Execution
- Monitoring and Control
- Closing

Methodology

The methodology utilized to manage our project is described below:

Project Purpose

This proposal seeks to construct a modern office tower in the city center of Riyadh and an underground parking lot. There will be a basement car park as well as restaurants and a small residential area for the company's top management.

Project Objectives

The project forms part of our strategic growth strategy for our company in the Arab countries. We are also building a strategic relationship for Milano SNC with this initiative. Thanks to its creative scheme, this partnership would boost the possibility of success in future project proposals.

High-Level Requirements

The project is scheduled for 1 Feb 2021 and will be completed by 15 June 2022 at the latest. Office complex tower (70 meters) will be the main project deliverables. Other deliverables will include.

- Underground, two-story car park with 400 spaces.
- 20 Top Management small residential homes.
- Two ground and first-floor restaurants with 500 seats each.
- Complex maintenance scheme

Key Stakeholders

Outline of the project will be provided to all stakeholders using a project charter that will be prepared before project initiation and will be signed by all the stakeholders.

Name	Title	Organization
Glenn Moore, Ben Dunk	Project Sponsor	Dammam Corp.
Mario Bautista	Sub-contractor	Piling Company
Alessandro Giuseppe	Chief Architect	Studio Milano S.N.C.
Nawaf Albakri	Local Authority	Construction Government Office

Method and Frequency of Communication

The communication plan shall be specified according to the specifications of the stakeholders. The correspondence would primarily be written because of the language barrier. Stakeholders will get monthly status reports.

Summary of Expected Milestones

Description	Due Date
Project Kick Off	1st Feb. 2021
Foundation Completion	30th March 2021
Offices Tower Handover	30th April 2022
Parking Lots Handover	30th May 2022
Restaurants Opening	15th June 2022

Project Budget

- Parking Construction \$ 10M USD
- Tower Construction \$ 200M USD
- TOTAL = \$ 210M USD

Fully detailed project budget is presented in the Table below:

INCOME	Amounts in \$US
Internal funding	
Sales	
Total Internal Income	-
External Funding	
Investment	210,000,000
Total External Income	210,000,000
Total INCOME	210,000,000

Please fill in
Your organization: Dammam Corporation
Name of the project: Office and Parking Construction

EXPENSES	Amounts in \$US
Salaries	
Project manager	48,000
Solar Radiation Manager	18,000
Project coordinator(s)	11,250
Local Authority	21,600
Administrative staff	72,000
Technical / production staff	1,760,000
Financial coordinator	24,000
Chief Architect	60,000
Subtotal	2,014,850

SALARY SPECIFICATION:

Number of employed	Method of cost computation (x hours per week, x \$US an hour, x weeks)
1	16x50x60
1	12x50x30
1	15x25x30
1	12x30x60
2	30x20x60
80	40x10x55
1	16x30x50
1	30x200x10

Specialists

Consultant fees	550,000
Accountant costs	50,000
Bookkeeping costs	30,000
Honoraria of lecturers	40,000
Translation costs	30,000
Contractor fees	1,100,000

Subtotal 1,800,000

PR and printing costs

Educational material	30,000
Prints of material	60,000
Mailings	10,000
Advertisements	20,000
Other	

Subtotal 120,000

Travel and accommodation costs

Travel costs	60,000
Accommodation costs	40,000
Hall rent	1,000,000
Rent of equipment (e.g., beamer)	11,000,000
Transportation	11,100,000
Food/refreshments	600,000
Other	

Subtotal 23,800,000

Other expenses

Equipment costs (Cranes etc.)	62,200,000
Rent	100,000
Material Costs	110,350,000

General office expenses/stationary	20,000
Internet, telephone, and postage fees	80,000
Banking fees	30,000
Tax	100,000
Insurance	1,000,000
Legal fees	100,000
Miscellaneous	100,000
Workers Insurance	1,000,000

Subtotal 175,080,000

Total EXPENSES	202,814,850
RESERVE PERCENTAGE	10.00%
RESERVE TOTAL	20,281,485.00
TOTAL EXPENSE INCLUDING RESERVE	223,096,335

Project Monitoring and Control

For lessons learned analyses, Project Technical Review sessions will be held weekly. To improve coordination among project teams, the Kanban Board could be used. New methods for excavator improvements and reworks will be added. The agile/scrum approach shall be utilized to build computerized lighting and environmental control systems. The project will be carried out under the production requirements of the organization and ISO standards. All procurements are performed in accordance with the quality standards of the organization through informal RFI and formal RFQs. The Contract Manager is going to be on site. The maintenance of relationships with the project sponsor and local partners would be given special consideration. Project staff will be educated by other local project partners to maintain correct behaviors.

To monitor project progress, the project schedule/Gantt Chart will be developed utilizing the Microsoft Project Professional Software. It will make it easy to monitor and track the progress of the project. The project schedule in Project Professional will also make it easy to identify owners of each project activity and assigning costs to activities will become easier.

Results and Discussion

Project management is a valuable technique for companies of all types and can have multiple benefits. It offers repeatable procedures, guidance, and strategies for managing the project staff and jobs. It will allow you to improve your chances of success and to implement projects effectively, in good time, and on schedule. The biggest benefit of project management is that you can easily handle your tasks and fix challenges faster.

References

- [1] Murray-Webster, R., & Dalcher, D. (2019). *APM Body of Knowledge*. (7th ed.) Association for Project Management.
- [2] Project Management Institute. (2017). *A guide to the project management body of knowledge*.