



جامعة الجميع الذكية
EVERYONE'S SMART UNIVERSITY

Everyone's Smart University

Project (Spring 2021)

Student Name	Rozan Ahmad Hajjar.....	اسم الطالب
Students I.D	2021201815.....	الرقم الجامعي

Section

Course

Master

(PMG506)

Code

Thursday

Date

18 / 03 / 2021.

Advanced project Management

Private project: Designing a social area-Riyadh festival

1.Introduction

1.1 Project introduction

In the field of architecture, we handle different types of projects, sometimes building sometimes detail structure drawings and sometimes urban designs. This project was given to me by client how wanted me to create a urban design area in format of social active area located in Riyadh he will build it with the association of General Authority for Entertainment.

1.2 Project aim

the goal of this project was to create something to attract the general authority for entertainment to give the approval for letting this social area that have been created to last for a long time of period rather than short time (seasoning periods only) that's why the project was very important. therefore, the client was looking for architect how is able to design a big space with amazing landscape areas in short time of period with the ability to finish the work on time. The nature of this project is fast complicated public with high-speed track project.

1.3 Conclusion

I was assigned in this project as multiple role designer which is a role that require me to play as urban designer and architect and interior designer. The client required creative drawings for the hole space (10,000-meter square) associated with designing a restaurant building, nursery and associated facilitates inside and outside (designing the elevation of the building and the interior spaces of the buildings).

2. Literature Review

2.1 Introduction

There are several examples and methods that can be followed however we have used two specific tools that can associate us in the project and we will discuss them and explain how we have used them in our project.

2.2 Business Process Modelling (BPM) WBS Chart

A Lot of case studies have used WBS Chart in a lot of ways in the project. In this project after collecting the requirements and defining the scope of the project and adding decompositions about the project we have decided to use Business Process Modelling (BPM) WBS. In this work type breakdown for BPM. We covered the phases in the BPM lifecycle: launch, design, modelling, develop, implement the needed characters. By creating WBS for the project we have defined the activities and estimated the cost of the it.

2.3 Engineering project work breakdown

By using this tool we have included engineering, technical drawing, educating and enterprising: marketing, budget (bill of quantity) for the project.

3. Methodology

3.1 Introduction

By using types of WBS in the project as tools we have decided to create a project communication plan to help us establish our goals and use the tools that we have selected to maintain communication with the team members.

3.2 Communication

We have created a plan to maintain communication with the team members, first of all we have to enter the inputs that we need, then use the tools that we want and techniques this process will create an output for us that will help us to communicate with the team members efficiently, down below in the schedule all the needed information is illustrated;

Inputs	Tools and techniques	outputs
Stakeholder register	Communication requirements analysis	Communication management plan
Stakeholder management strategy	Communication technology	Project document updates
Enterprise environmental factors	Communication models	
Organizational process assets	Communication methods	

3.3 Cost and budgeting

Planning for project cost is considered as a process that estimating, budgeting and controlling is involved in the cost process. These processes interact together well within the process but each one of them can involve effort from one group or person, based on the needs of the project itself. We have estimated the cost by considering some factors then we determined the budget of the project. The schedule below explaining more.

Estimates cost	Determine budget	Control cost
1.inputs=1.scope baseline 2.project schedule 3.ornization process assets	1.1. basis of estimates 1. 2. scope baseline 1. 3. project schedule	1.1. project management plan 1.2. work performance information

2.Tools and techniques= expert judgment reserve analysis 3.outputs= 3.1. Project document updates 3.2. basic of estimate	2.1. expert judgment 2.2. reserve analysis 3.1. Project document updates 3.2. basic of estimate	2.1. earned value management 2.2. performance review 2.3. variance analysis 3.1. work performance measurements 3.2. project management plan updates 3.3. project document updates
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4.Results and Discussion

4.1 Introduction

The detailed calculations accommodate the time period (project milestone) of the project are shown in table 1 below.

Task	labor	Time period
Brainstorming and sketching	3,000	2 hours
Designing the outdoor space	4,000	1 day
Designing the restaurant building	6,000	6 hours
Designing the nursery	4,000	8 hours
Designing the service facilities	4,000	8 hours
Creating 2 3d perspectives for every space in the project	15,000	4 days

Software license	2.000	0 days
3d objects	1,000	0 days
Total	40,000	Total time was 7 days

Gantt chart illustrating the cost with project milestones

4.2 Conclusion

Basically, the project will start by brainstorming for the ideas and sketching and then drafting the 2D design of the outer space. the second phase will start by working on the rest of the requested designing (building, facilities and nursery).the last thing we will do the 3d perspectives for all the site and requested buildings and facilities. The process can be improved if we had more time but the time was very short for a big project with this mush of requirements. But the project was submitted on time and with no delays and matched with the client requirements and needs.

5.References

- Weaver, Patrick (2012a). "Henry L Gantt, 1861–1919: A retrospective view of his work" (PDF). *PM World Journal*. Retrieved 29 January 2018. (It is unclear when this was last modified. The PDF metadata indicates 2015, and a note in the text says "Augmented with additional materials received since publication".)
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