



جامعة الجميع الذكية
EVERYONE'S SMART UNIVERSITY

Everyone's Smart University

Project (Spring 2021)

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Section

Master

Date

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Course Code

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Advanced project Management

Instructions:

- اخر موعد للتسليم هو يوم الخميس 2021-05-8 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 12.
- نوع الخط Arial.
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- المسافة بين الأسطر 1.5 line spacing
- عدد صفحات البحث (لا يقل عن ثلاث صفحات ولا يزيد عن ست صفحات).

Instructor's Name: Dr. Akram M. S. Ali

Initial Planning & Scheduling for BAHA Rubber Project

Basic Design Development

1. INTRODUCTION:

This case study provides the basis for project planning & schedule for the Basic Design Development of one of the potential Project named “BAHA Rubber Project”. The project will be the first of its in-kind In Kingdom. Apart from its economic benefits, the project will also create job opportunities for local population.

The Project Planning is one of the project functions where I “as a Project Manager” exerted an effort, with the rest of the project team members to identify major project milestones with its associated activities. This report will include all the processes and techniques that I have used in defining the project milestones and activities.

2. LITERATURE REVIEW AND CONCEPTUAL FRAMEWORK:

2.1 Project at glance:

Project is temporary in nature, has a definite beginning and end, and it is undertaken to make a unique product, service, or result. On other hand, the Project Management is the application of knowledge, tools and techniques to project activities to meet project objectives (Project Management Institute, 2017).

The project life cycle stages composed of conceptualization, planning, execution and termination (Southern Management Association, 1988).

Project and Project Management are at the main focus of many organizations that look for their growth and sustainability through their life of exist.

2.2 Project Planning and Milestone:

A lot of project activities are carried out during the project planning phase. This includes the activities related to the plan of scope, schedule, quality, cost, resources, risks, etc.

Since, this research is focused on the Project Milestone and Activities, there will be a need to know more from which project planning process these will be generated. Per Project Management Institute, A guide to the project management body of knowledge, the list of the scheduled milestones will be one of the key elements of the project work break down structure (WBS) which is resulted from the Create WBS of the scope management processes. These Milestones should be established and with an alignment with the project stakeholders (Project Management Institute. "Mars or Bust," PM Network, October 2004). Also, the project scheduling process will summaries the several schedules and lists all milestone events. Each activity is listed and should be gathered from the work executor (PROJECT MANAGEMENT A Managerial Approach by Jack R. Meredith, Samuel J. Mantel, Jr, 2009).

2 METHODOLOGY:

To develop the project milestone and schedule, I started with the project team to do an analysis on the project scope and contract to define the project deliverables. The scope was to develop a basis for planning & schedule for BAHA Rubber Project. An interactive session was held between the project owner and design contractor team to align on the scope of work (SOW). Based on the session, a milestone schedule was developed which represent the key dates throughout the life of a project. The key dates are established to meet contractual obligations. After that and to further develop a more detailed schedule, we have developed a work breakdown structure (WBS).

From WBS, we have created a project plan. In this plan, we have included all the activities that are needed to complete the project. After that, the activities are sequenced and duration have been estimated.

3 RESULTS AND DISCUSSION:

In this section, the outcome of techniques used in previous section such as the scope alignment and decomposition, the following milestone were created for the project planning and development:

Key Milestones	MONTH No.
Project Contract Award	1
Kickoff Meeting	1
Start of Preliminary Engineering (PE)	2
Issuing PE Product for Review	4
Issuing PE for Approval	6
PE Approved	7
Project Contract Close-out	7

Also, the activities along with millstone are presented in the following chart:

Project Description	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7
Project Contract Award	▼						
Kick-off Meeting		▼					
Start Preliminary Engineering (PE)		▼					
Discipline Engineering							
Hazop Review							
Cost Estimate Development							
Issue PE for Review							
Issue PE for Approval							
PE Approved							
Project Contract Close-out							

In conclusion, both milestone table and chart were presented and approved by Project Sponsor and key Stakeholders and been considered as part of project documents to effectively monitor and control the project schedule delivery.

4 REFERENCES

1. Project Management Institute, publisher. A guide to the project management body of knowledge - Sixth edition; 2017.
2. Southern Management Association, 1988.
3. Project Management (opentextbooks.org.hk)
4. Project Management Institute. "Mars or Bust," PM Network, October 2004,