



جامعة الجميع الذكية
EVERYONE'S SMART UNIVERSITY

Everyone's Smart University

Project (Spring 2021)

Student Name	ABDULRAHMAN TARIQ FAQIH	اسم الطالب
Students I.D	2021200769	الرقم الجامعي

Section

Course

Master

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Code

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Introduction:

Project service building is a part of the Main project of third Saudi expansion of the holy mosque and surrounding areas , we'll talk about overview the project , milestones , objective , activities and the tools will be used to achieve all this objective.

Overview and milestones:

- The service buildings project contains a group of buildings , helipad , hospital , tunnels , administrative security offices and prayers square.
- Large project like this we should focus on milestone and all departments work together for this we must communicate effectively and within the project plans for achieving this we used the work breakdown structure (WBS).

What is a WBS?

- A work breakdown structure (WBS) is a chart or document used to organize project work into a list of work packages (activity and task) so that all work stays on track to meet project goals.
- A work breakdown is a project management tool that lays out everything a project must accomplish, organizes those into multiple levels, and displays these elements graphically. it's a deliverable – based approach, meaning you'll end up with a detailed project plan of the deliverables you must create to finish the job .
- 100 percent rule: nothing is left out and no extra work is performed.
- Knowing the details of business and responsibilities makes it easy for us to create an effectively communication plan , monitoring , and evaluating all project activities .

What do we evaluate and monitor in the project ?

- Facilitates evaluation of cost , time and technical performance at all levels in the organization over the life of the project .
- The longest path , called critical path .



Major group in a WBS :

Level	Hierarchical breakdown	Description
1	Project	Complete project
2	Deliverable	Major deliverable
3	Sub-deliverable	Supporting deliverable
4	Lowest deliverable	Lowest management responsibility level
5	Cost account	Grouping of work packages for monitoring for progress and responsibility
6	Work package	Identifiable work activities

- **The WBS provides a roadmap for all facets of the project , including the following :**

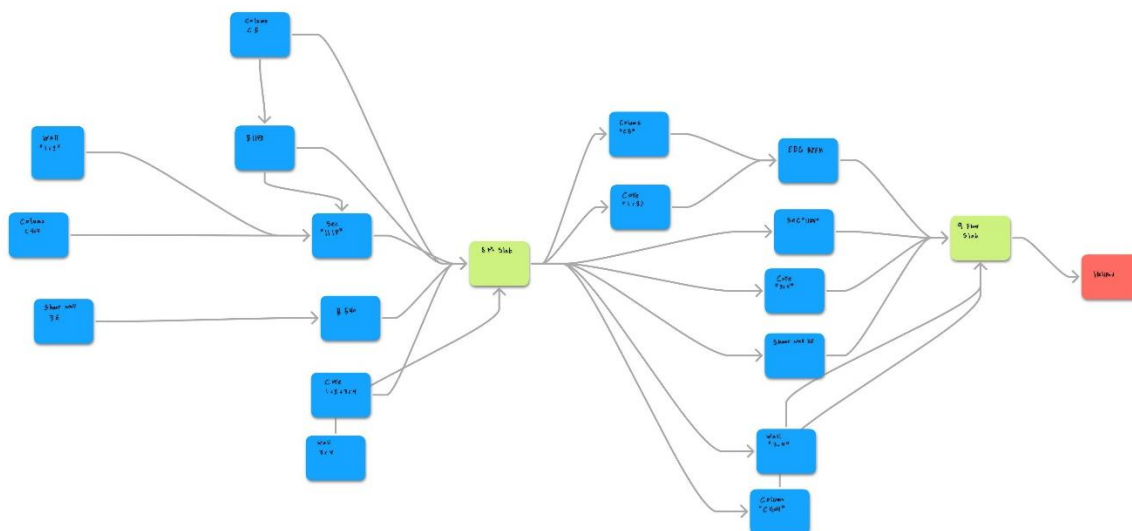
1. Work definition.
2. Cost estimates
3. Time estimates and scheduling.
4. Resource and budgeting.
5. Project plan changes.
6. Performance and productivity.

- **Results :**

- So important used WBS for management all activities and guarantee not forget any task and all departments work together.
- big project or small you need management the project and tailored the tools and techniques for make will successful project.
- **Example of a WBS for my business :**

I'm team leader engineer responsible for structure work in shooter 3 and zone 14 . me work divided into 2 major department :

1. Helipad.
2. Floors and all sections .



- **Literature review :**

1. Denis F Cioffi " Work and Resource breakdown structures formalized Bottom-Up Estimating "
2. Postula H Rank " WBS Criteria for Effective Project Control System " WBS is very important to the effectiveness performance.
3. Paul Ziek " Communication , dialogue and project management " the importance of communication for success the project .

- **References:**

1. Effective communication for project success , Publication date: 6 May 2014.
2. Work and Resource Breakdown Structures for Formalized Bottom-Up Estimating , Publisher: American Association of Cost Engineers , February 28, 2004.
3. Project management , Seventh Edition.