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"B"

Subject

Construction
Manager

~~A~~ PM Assignment.

Q1. What is project life-cycle explain ~~and~~ briefly with diagram?

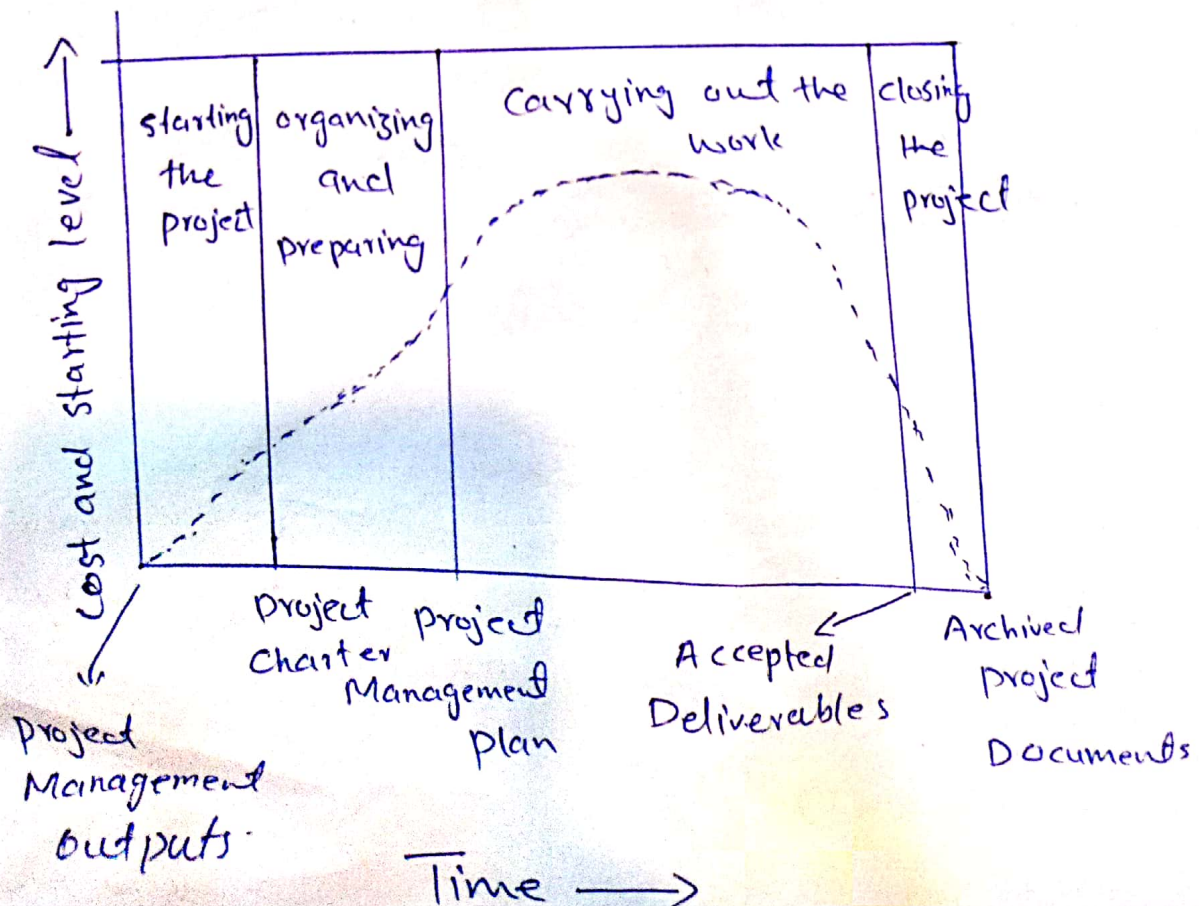
The project cycle refers to the four-steps process that is followed by nearly all project managers when moving through stages of project completion. This is the standard project life cycle most people are familiar with. The project life cycle provides a framework for managing any type of project with a business.

The project life cycle (see figure below) refers to a series of activity which are necessary to fulfill ~~which are~~ project goals or objectives.

Project vary in size and complexity but, no matter how large or small, all projects can be

mapped to the following life cycle structure.

- Starting the project
- organizing and preparing
- carrying out project work.
- closing the project.



⇒ The project life cycle (Phases):

① Initiation phase -

② Planning phase

③ Implementation (Execution)
Phase.

④ Closing phase.

Q2 What is construction?

Construction comes from the word Construct, which means to build. Building a sand castle, a fort out of pillows, or a house of cards are all examples of constructing something. In engineering terms construction is usually associated with large structures like houses, railways and power plants.

In terms of engineering, construction is the activity of putting together different elements, using a detailed design and plan, to create a structure for a certain location. When you construct large structures, you need to have a clear plan of how you are going to do that. You also need to know the specific location. Architects and engineers design and build the structure with that location in mind.

Types of Construction:

1) Residential Building:-

The first types of constructions is residential housing construction which involves building, repairing and remodeling of structures for the purpose of housing people, supplies, or equipment. It includes apartments, townhomes, condos, nursing homes, dormitories etc. Also garages and outbuildings like utility sheds are considered as residential construction also involves repair and installation of utilities like water and electricity around the structure.

2) Institutional and Commercial Buildings:-

This types of construction encompasses projects schools, sports arenas shopping centers, hospital stadiums, retail stores, and skyscrapers. Like the residential

housing construction, institution and commercial building involves both putting up of new structure and repair and maintenance of existing structures. Typically a project like a ~~retail~~ retail store is usually commissioned by a company or private owner. Other projects such as stadiums, schools and medical facilities are often paid for and managed by both the local and national government.

3) - Specialized industrial construction

The third type of construction is specialized industrial construction which entails building structure that require a high level of specialization as well as technical skills in planning construction, and design. Typically, this type of construction is carried out

by for-profit or industrial corporations.

For instance, a chemical industry can build oil refineries, and power generation industries can build structure nuclear power plants and hydroelectric power plants, which are examples of specialized industrial construction.

④ Infrastructure and Heavy Construction.

The last type of construction is infrastructure and heavy construction which encompasses building and upgrading of railway, communication, and roads railways to the surrounding of a city or existing building construction usually done due to the public interest and is often executed by government agencies and large private corporations.

Some ^{other} projects that fall under this type of construction include tunnels, bridge, highway, transit system, drainage system etc.