

Name :- TAHIR-HUSSAIN

I.d :- 7449

Instructor :- Engr-Zeeshan Ahad

Subject :- Construction Management

Student signature :- ^{*}THUSSAIN

Semester :- 1st

(1)

Q No 1:-

What is the Project Life cycle?:-

Ans:- Every projects has certain phases of development.

A clear understanding of these phases allows managers and executives to maintain control of the project more efficiently.

By definition, a project has a beginning & an end, passes through several phase of development known as life cycle phases. These phases are varied depending upon the industry involved but all follow the same basic steps.

It is important to realize that the project life cycle for each project may differ. In both the number of phases it may have and the details within each of these phases.

(2)

Five main Phases of Project life cycle are as Follow:-

Start up:-

This phase is where the project objectives are defined and conceptual aspect of the project agreed. This may be phase where a problem is identified and potential solutions suggested.

Debitation :-

Once the project objectives have been clearly defined then the appraisal of the solutions is conducted in term of risks, financial, commitment and benefits.

Planning:-

This phase is where the project is broken down into manageable areas of work & planned in terms of time, cost and resources. This is a continuous process and will extend throughout the execution phase of project.

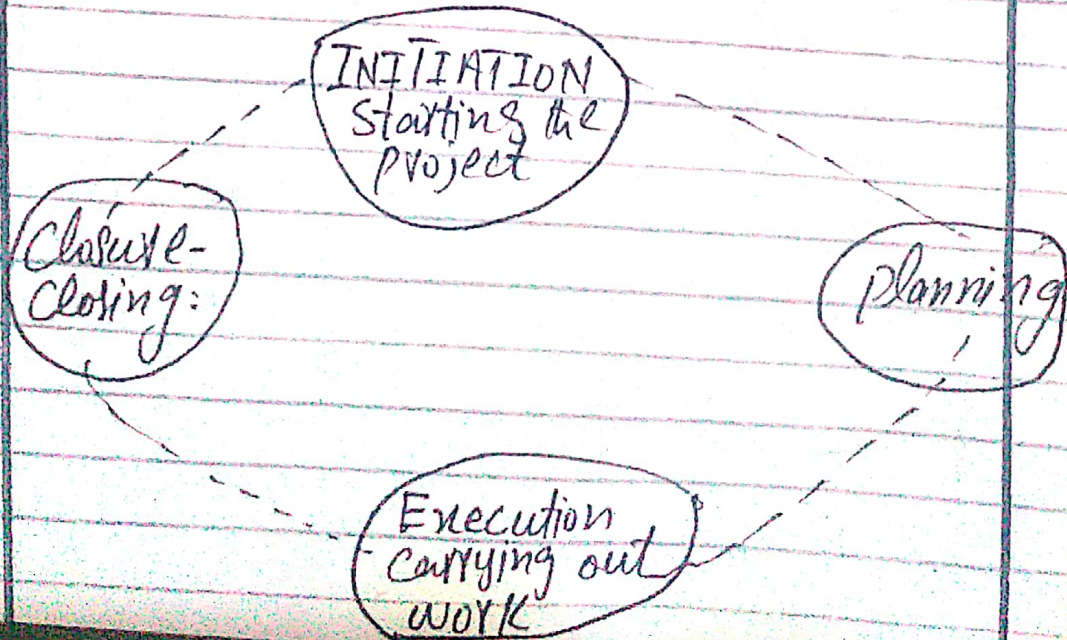
Execution :-

During this phase the work is implemented controlled & monitored.

Close-out :-

The final phase of the project life cycle is close out and demobilisation, where resources are realigned, the project is handed over and the post-project view is carried out.

It is important to ensure the project life cycle used on your project is appropriate to the work being carried out and split into distinct and manageable phases.



(4)

Q No 2 :-

Major Types of Construction Projects :-

① Residential Building :-

The first type of construction is residential housing construction which involves building, repairing and remodeling of structure for the purpose of housing people, supplies of equipment. It include apartments, townhomes, condos, nursing homes dormitories etc.

The design of Residential housing project is usually done by engineers and the architects and the construction itself executed by construction companies. who hire subcontractor to the mechanical, structural and electrical work of the project.

(5)

② Institutional & Commercial Building :-

This type of construction encompasses project schools, sports arenas, shopping centers, hospitals, stadiums, retail stores, & skyscrapers. Like the residential housing construction, institutional & commercial building involves both putting up of new structures & repair and maintenance of existing structure.

Typically a project like a retail store is usually commissioned by a company or private owner. Other project such as stadiums, schools, and medical facilities are often paid for and managed by both the local and national government.

(6)

(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 known technical skills in planning construction and design.

Typically, this type of construction is carried out by for-profit or industrial corporation.

(4) Infrastructure and Heavy Construction :-

The last type of construction is infrastructure and heavy construction which encompasses building and upgrading of railways, communications, and roads railways to the surrounding of a city or existing building construction.

(7)

This type of construction usually done due to the public interest and is often executed by government agencies and large private Corporation.

Some other projects that fall under this type of construction include tunnels, bridges, highways, transit systems, drainage system & pipelines.



These are the main types of constructions we have today. There are many construction experts to choose from depending on the type of project you have.