

Assignment No # 01

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Section

B

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Construction  
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Q1

what ~~are~~ is the Project life cycle explain briefly with diagram

Ans:

## Project life cycle:

A standard Project typically has the following four major Phases:

initiation, Planning, implementation, and closure. Taken together these Phases represent the path a Project taken from the beginning to its end and are generally referred to the Project life cycle.

Following are the Phases of Project life cycle.

- (1) initiation
- (2) Planning
- (3) execution
- (4) closure.

### Initiation:

First you need to identify business needs, problem or opportunity and brainstorm way that your team can meet this need. solve, you figure out on objective for your

Project determine whether the project is feasible and identify the major deliverable for the project

## Steps for initiation:

- Under taking a feasibility study.
- Identifying scope
- Identifying deliverable
- Identifying project stakeholder
- Developing a business case
- Developing a statement of work.

## ② Planning:

once the project is approved to move forward based on your business case, statement of work or ~~into~~ project initiation document you ~~no~~ move into the planning phase.

During this phase of the project management life cycle you break down the larger project into smaller tasks, ~~build~~ tasks build your team and prepare a schedule for the completion management

Creates smaller goal within the larger project making sure each is reliable within the time frame. Smaller goal should have a high potential for success.

## STEPS FOR PROJECT PLANNING:

- creating a project plans.
- creating work flow diagram.
- estimating budget and creating a financial plan.
- gathering resources.
- Anticipating Risk and Potential Quality road blocks
- Holding a project kickoff ~~me~~ meeting.

## (3) EXECUTION:

You are received business approval developed a plan and built your team. Now its time to get to work the execution phase. Turn your plan into action. The project manager life cycle is to keep work on tasks track organize team member and manage time line. make sure the work is done according to the original plan.

## STEP for the execution:

Creating tasks and organizing work team.

Briefing Team members on tasks communicating with team member.

monitoring quality of work managing budget.

## ④ ~~4~~ closure

Once your team has completed work on a project you enter the closure phase. in the closure phase.

you provide final deliverable, release.

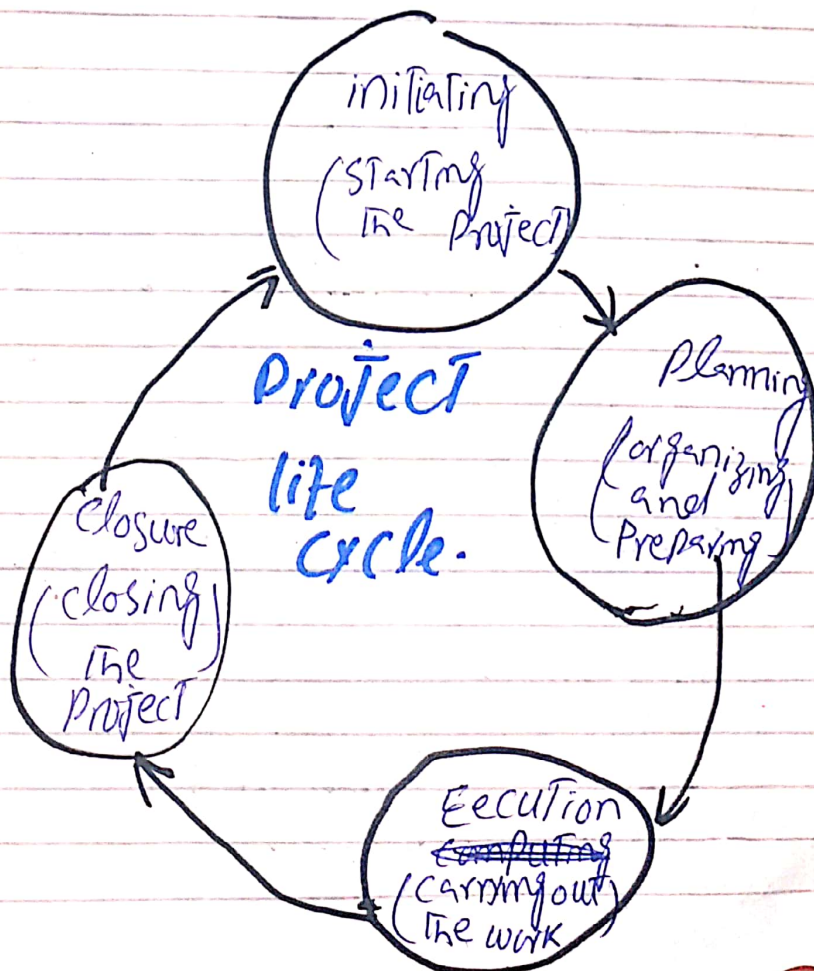
Project resource and determine the success of the project just.

Project manager to be is done. there are still important things to do including, evaluating what did and did not work with the project.

## Steps for closure:

- Analyzing Project Performance
- Analyzing Project Team Performance
- Documenting Project closure.
- Accounting for used unused budget
- conducting Post Implementation Review.

## Diagram:



Q2

Define and explain major types of construction Project.

## CONSTRUCTION Project.

→ A construction Project some time just referred to as a project is the organized process of ~~exec~~ constructing, removing etc. building, structure or infrastructure.

Following are the four major types of constructing Project.

- (1) Residential Building
- (2) institutional and commercial Building
- (3) specialized industrial construction
- (4) infrastructure and heavy construction.

### ① Residential Building:

The first type of construction is Residential having construction which involve building, Repairing and ~~removir~~ remodeling of ~~se~~ structure for the purposes of having people, supplies

of equipment. It includes apartment town houses, nursing homes, dormitories etc. also garages and out buildings like utility sheds are considered as residential construction.

As mentioned above residential construction also involves repairing and installation of utilities like water and ~~sand~~ electricity around the structure.

→ The design of residential having project usually done by engineers and architects and construction itself executed by construction companies who hire sub contractors.

## (a) Institutional and commercial building.

This type of construction encompasses projects schools, sports arenas, shopping center, hospital, stadium, retail stores and sky ~~surpass~~ scrapers like the residential having construction, institutional and commercial building having involves both putting up new



Structure and repairs and maintenance of existing structure. Typically a project like store is usually commissioned by company or private owners.

Other companies such as stadium, school are often raised for and managed by both the local and national government.

### ③ ~~Specialized~~ Specialized industrial construction:

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

Typically this type of construction carried out for profit or industrial corporation for building structure chemical industry can build up. oil refineries and power generation nuclear power plant and hydro electric power plant which are example 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 railroads - commercial communication and roads, rail way to the surrounding of city or existing building construction.

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

Some other project that fall under this type of construction include tunnels, bridges, highway transit system, drainage system and pipe lines.