

Assignment
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Subject: Construction Management

Q No 1

What is 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 phase of project life cycle.

- (1) Initiation
- (2) Planning
- (3) Execution
- (4) Closure

Initiation :: Firstly you need to identify a business need, problem, or opportunity and brainstorm ways that your team can meet this needs solve, you figure out an objective. The major deliverable for the project.

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

Planning 3

Once the project is approved to move forward based on your business case, statement of work or project initiation document, you move into the planning project.

During this phase of the project management life cycle, you break down the larger project into smaller tasks, build your team, and prepare a schedule for the completion management. Each is deliverable within the time frame. Smaller goal should have a high potential for success.

Steps for project planning.

- * Creating a project plan
- * Creating work flow diagram
- * Estimating budget and creating a financial plan
- * gathering resource
- * Holding a project kick-off meeting

Execution

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

Step for the Execution.

- * Briefing team member on Task.
- * Communicating with Team member.
- * Monitoring Quality of work.
- * Managing budget.

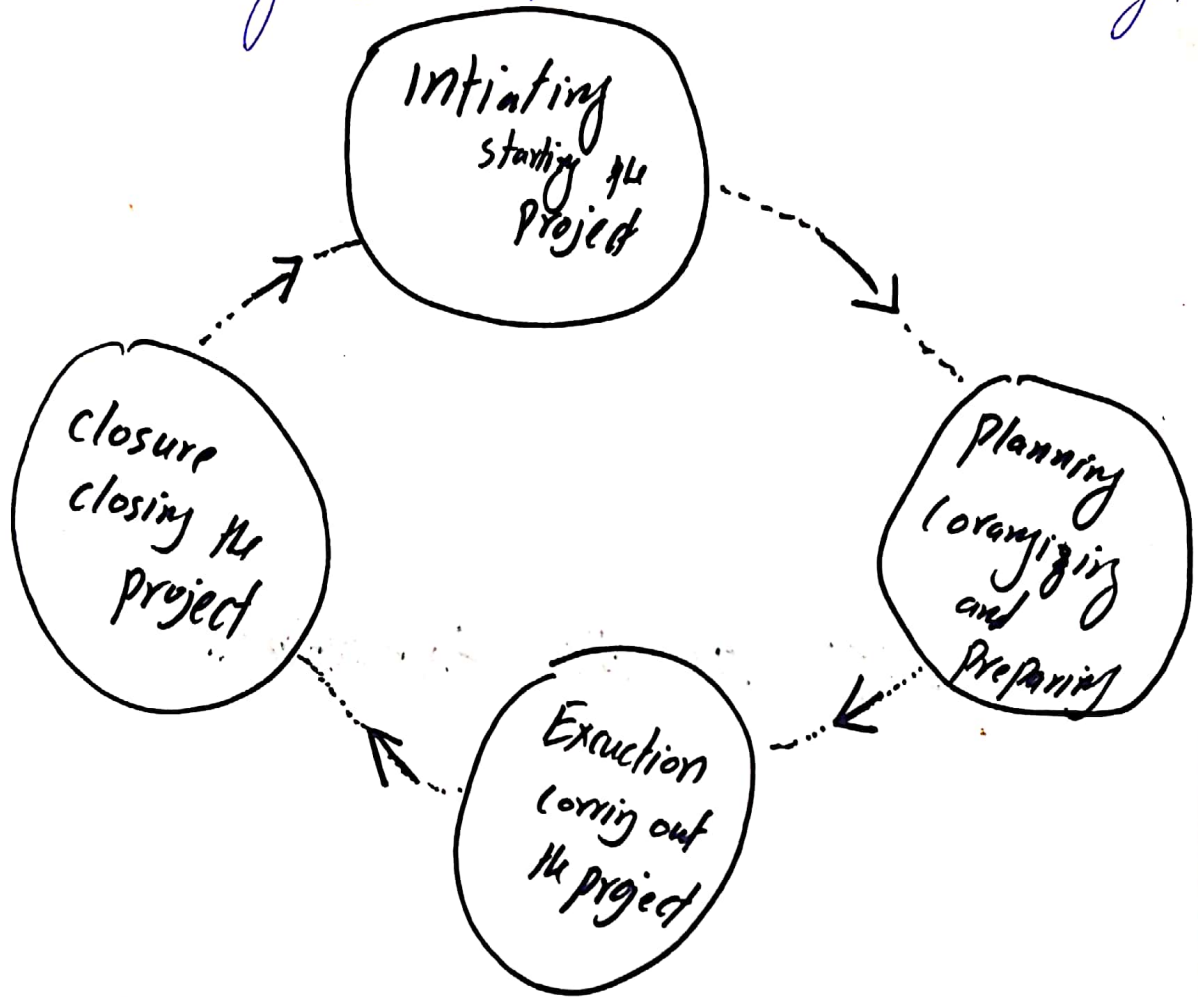
Closure

once your team has completed work on a project, you enter the closure phase. Just project manager's job is done there are still important things including evaluating what did and did not work the project.

Step For closure

- * Analyzing Project performance.
- * Analyzing team performance.
- * Documenting Project closure.

- ★ Conducting Post-Implementation Review
- ★ According to used and unused budget



Q No 02

Define & Explain major Type of Construction Project?

Ans Construction Project 3.

A construction project some times just referred to as a project is the organised, process of constructing, removing etc building, structure or infra structure.

★ Following are the four types of Project.

- ① Residential Building
- ② Institutional & Commercial Building
- ③ Specialized industrial construction
- ④ Infrastructure and Heavy construction.

Residential Building

* The first type of construction is Residential having construction which involves of ~~structure~~ building, Repairing and remodeling of structure for the purpose of housing people supplies or equipment. It includes apartment townhouse, condon, dormitories etc. construction. As mentioned above residential construction also involves and installation of utilities like water and electricity around the structure.

* The design of residential having project is usually done by Engineers and architects and the construction itself executed by construction companies, who hire sub contractor.

Institutional & Commercial Building.

★ This type of construction encompasses project schools, sports arenas, shopping center stadium, retail stores and sky-scraper, like the residential housing construction. Institutional and commercial building involves both putting up new structure and repairs and maintenance of existing structure. Typically a project like store is usually commissioned by a company or private owner other project such as stadium, ~~store~~ school are often paid for and managed by both the local and national government.

Specialized industrial construction.

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

Typically, this type of construction comes out for project or industrial chemical industry can build up oil refineries and power generation nuclear

and hydro electric power plant which are. Example of specialized industrial construction.

Infrastructure and Heavy construction

* The last type of construction is infrastructure and heavy construction which encompasses building and upgrading of railways - communication and road, railways to the surrounding of a city or existing building construction. This type of construction usually done due to public interest and is often executed by government agencies and large private ~~corp~~ corporate.

* Some other project that fall under this types of construction include tunnels, bridges, highways, drainage system and pipelines.