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Problem - 1

What is a Project Life-cycle explain briefly with diagram?

Answer:

Every project has a beginning, a middle period during which activities move the project toward completion, and an ending (either successful or unsuccessful).

A stand project typically has following four major phases (each with its own agenda of tasks and issues) initiation, planning, implementation and closure. Taken together, these phases represent the path a project takes from the beginning to its end and are generally referred to as the project 'Life cycle'.

1 Initiation phase:

During the first of these phases, the initiation phase, the project objective or

need is identified; this can be a business problem or opportunity. An appropriate response to the need is documented in a business case with recommended solution options.

2 Planning phase:

The next phase, the planning phase, is where the project solution is further developed in as much detail as possible and the steps necessary to meet the project's objective are planned. In this step, the team identifies all of the work to be done. This is also referred to as "scope management". A project plan is created outlining the activities, tasks, dependencies, and time frame. The project manager coordinates the preparation of a project budget by providing cost estimates for the labour,

Equipment and material costs.

Implementation (Execution) Phase:

During the third phase, the implementation phase, the project plan is put into motion and the work of project is performed. It is important to maintain control and communicate as needed during implementation.

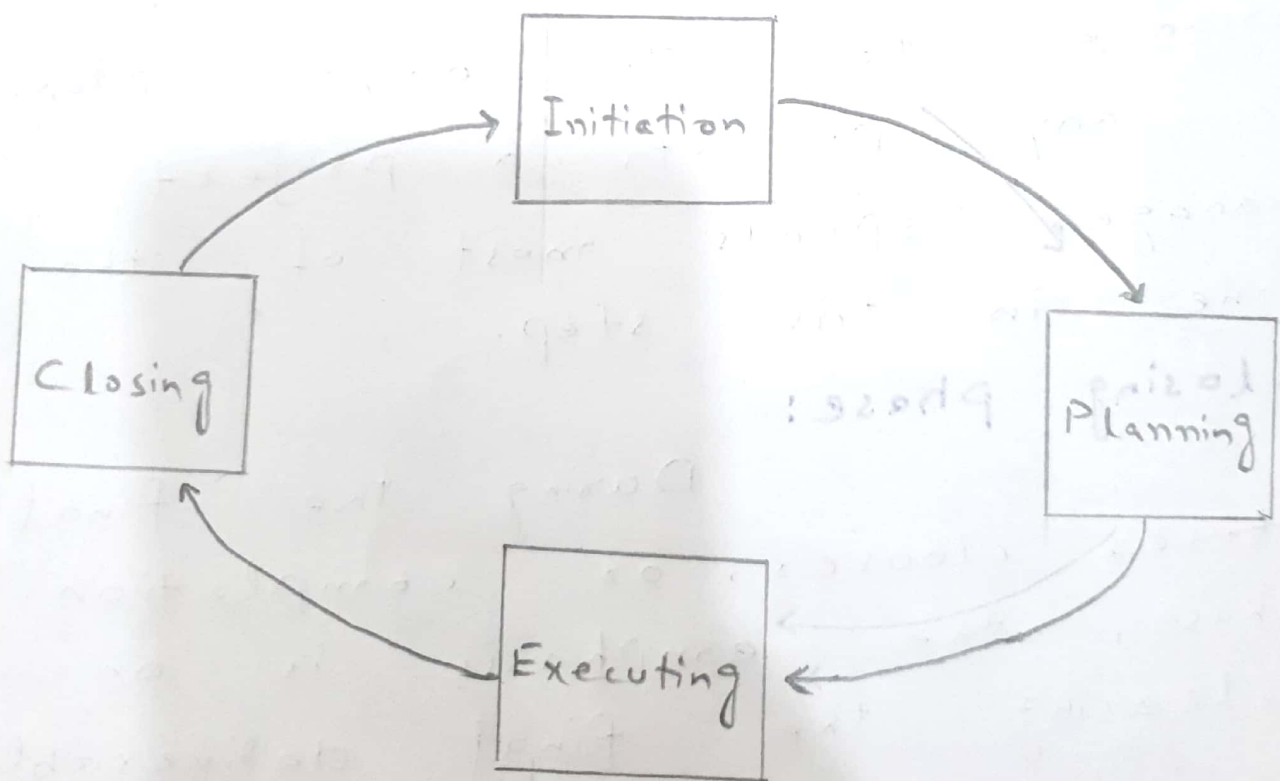
Progress is continuously monitored ~~and~~ and appropriate adjustments are made and recorded as variances from the original plan.

In any project, a project manager spends most of the time in this step.

4 Closing phase:

During the final ~~clases~~ clouser, or completion phase, the emphasis is on releasing the final deliverables to the customer, handing over project documentation to the business, terminating suppliers

contracts, releasing project resources and communicating the closure of project to all stakeholders. The last remaining step is to conduct lessons-learned studies to examine what went well and what didn't. Through this type of analysis, the wisdom of experience is transferred back to the project organization, which will help future project teams.



(Diagram of Project Life Cycle)

Problem No: 02

Define and explain briefly major types of construction Project:

Answer:

The four major types of construction include residential building, institutional and commercial building, specialized industrial construction, infrastructure and heavy construction.

1 Residential building:

The first type of construction 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.

2 Institutional and Commercial building:

This types of construction encompasses projects schools, sports arenas, shopping centers, hospitals, ~~stadium~~ stadiums, retail stores and skyscrapers. Like the residential housing construction institutional and commercial building involves both putting up of new structures and repairs and maintenance of existing structures. 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 structures 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.

4 Infrastructure & Heavy Construction:

The type of construction is infrastructure and heavy construction which encompasses building and upgrading of railways, communications ~~and~~ and roads, railways to the surroundings 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 corporations.

