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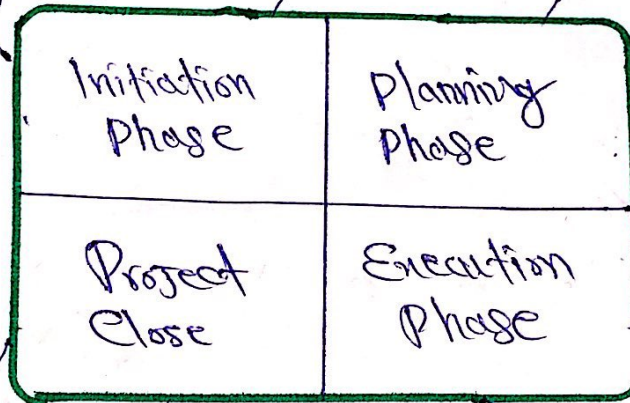
Subj:- Construction Management

Assignment

# The Project life Cycle (Phases)

→ Project definition :- Project Constraints and Problem Statement,

→ Detailed Planning :- Estimation & Scheduling



→ Monitoring :- Control, Closure & Review

→ Project Team Acquisition development & Management

The Project manager and Project team have one shared goal to carry out the work of the Project for the purpose of meeting the Project's objectives.

## Initiation Phase

During the first of these phases, the Initiation phase, the Project objective or need is identified, this can be business problem or opportunity. An appropriate response to the need is documented in a business case with recommended solution option.

Once the recommended solution is approved, a Project is initiated to deliver the approved solution & Project manager is appointed. The major participating work groups are identified & the Project team begins to take shape. Approval is then sought by the Project manager to move onto the detailed Planning.

# Planning Phase

The next phase, the planning, is where the project solution is further developed in as much detail as possible and the steps necessary to meet the project objective were planned. This is also referred to "scope management". A project plan is created outlining the activities, tasks, dependencies and time frames.

# Implementation Phase

During the implementation phase, the project plan is put into motion & the work of the project is performed. Progress is continuously monitored and appropriate adjustments are made and recorded as variances from the original plan. In any project, project manager spends most the time in this step.

## Closing Phase

During the final closure, the emphasis is on releasing the final deliverable to the customer, handover, project documentation to the business, terminating supplier contracts, releasing project resources and communication the closure of the project to all stakeholders.

# Major Types of Construction Project.

There following major four types of Construction Project.

## 1:- Residential Building :-

The first of type of construction is residential housing construction which involves building, repairing, and remodeling of structure for the purpose of house people, supplies, it includes apartments, town homes, dormitories etc. The design of residential house project is usually done by engineer and architects and construction itself executed by construction companies.

## 2:- Institutional and Commercial Building :-

This type of construction encompasses projects schools sports arenas, shopping center, hospitals, stadium, retail stores, and skyscrapers. like the residential housing,

Typically a Projects like a retail stores is usually Commissioned by a Company. Other Projects such as stadium, schools and medical facilities are often Paid for and managed by both the local and national government.

### 3:- Specialized Industrial Construction.

The third types 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 for Profit, for instance chemical industries can build oil refineries, and power generation industry can be build.

## 4) Infrastructure and Heavy Construction

The last type of Construction is Infrastructure and heavy Construction which encompasses building and upgrading of railways, communication and roads, railway to the surrounding of a city or existing building Construction.

Some other Projects that fall