

# **CONSTRUCTION MANAGEMENT**

## **Assignment**



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**SECTION B**

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1) What is project life-cycle explain briefly with diagram.

## Project Life Cycle

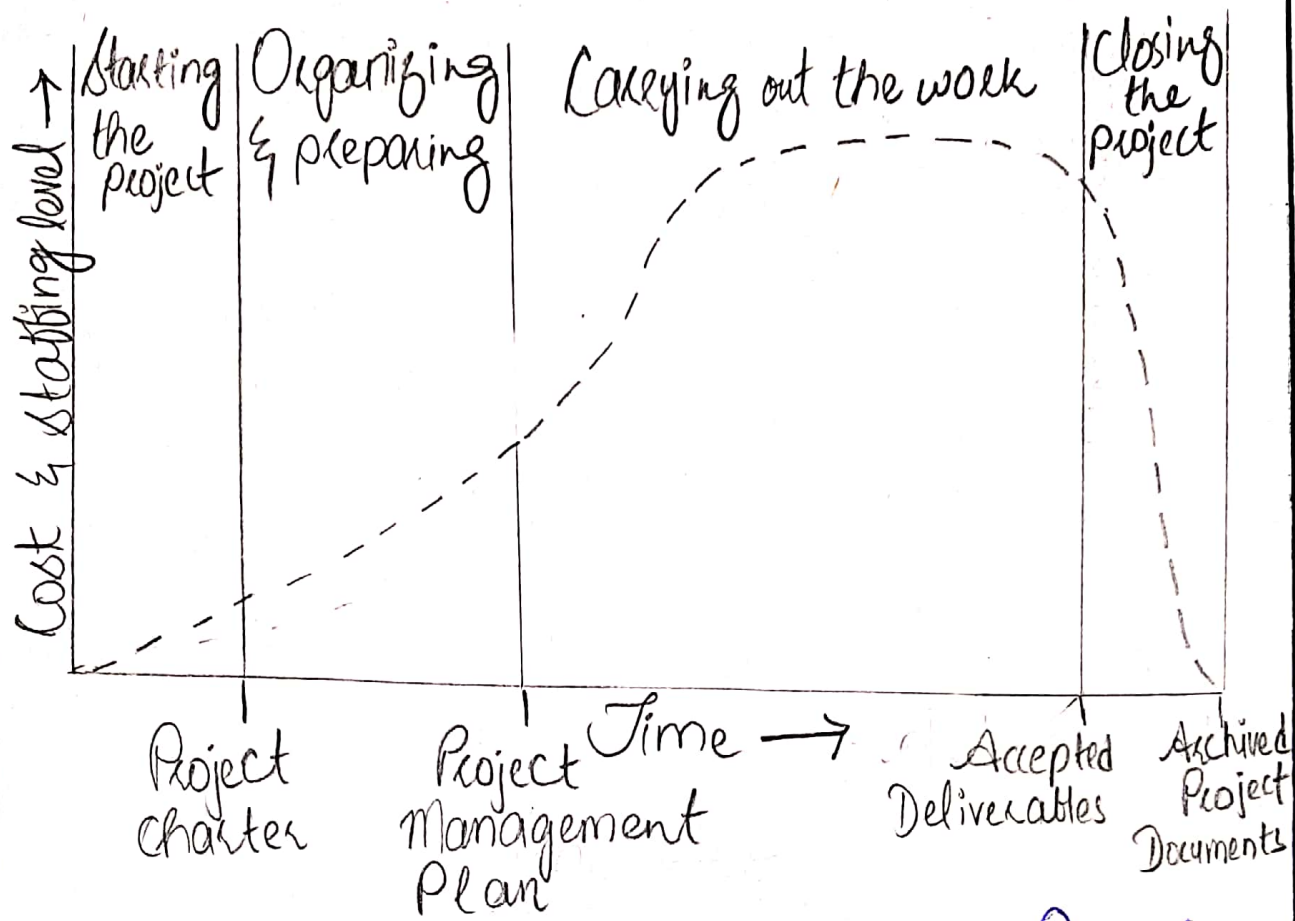
A project life cycle is a collection of generally sequential and sometimes overlapping project phases whose name and number are determined by the management and it controls the needs of organization or organizations involved in a project, the nature of the project itself, and its area of application.

A project life cycle can be documented with a methodology. The life cycle provides the basic framework for managing the project, regardless of the specific work involved.

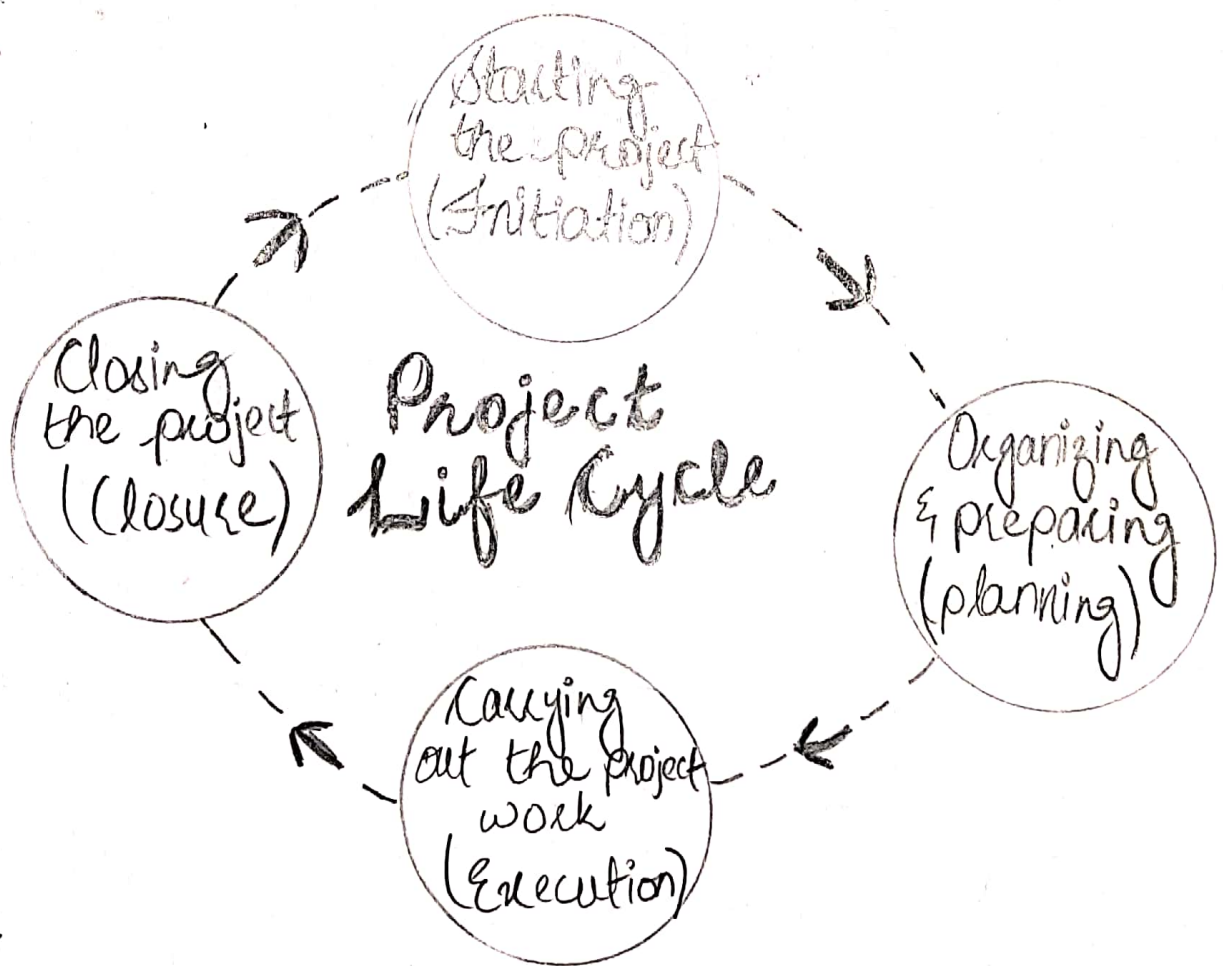
# Characteristics of Project Life Cycle

Projects vary in size and complexity. No matter how large or small, simple or complex, all projects can be mapped to the following life cycle structure

- Starting the project (Initiation)
- Organizing and preparing (Planning)
- Carrying out the project work (Execution)
- Closing the project (Closure)



Typical Cost & staffing levels across Project life cycle



2) Define and explain briefly Major Types of Construction projects.

A project or construction project is a temporary endeavor undertaken to create a unique product, service or result.

The temporary nature of projects indicates a definite beginning and end.

Construction project is organized process of constructing, refurbishing etc, a building, structure or infrastructure.

Following are the major types of construction projects.

### • Residential :-

These projects include the construction, remodeling or refurbishing of houses,

apartments, cottages, subdivisions, and single unit dwellings.

The designs are usually made by engineers and architects and construction is executed by builders.

## • Building:-

Constructing building is the most common type of project. It's a process of adding structures to properties. Most projects are small renovations or room additions. Most new building projects involve construction of sheltered enclosures with access of housing people, machinery, equipment, and supplies. It also include installation of equipment and utilities.

## • Commercial And Institutional:-

This type of construction projects include a whole lot of project sizes and types like

hospitals, clinics, schools, universities, stadiums, sports facilities, shopping centres, manufacturing plants etc.

Special engineers and architects are usually hired for the construction of these buildings/projects. It costs a lot of money and requires great sophistication in terms of commercial and institutional buildings when compared with residential projects.

## • Industrial:

This type of projects are small part of the construction industry but is a very important. This type of projects are usually owned by large industrial corporations like medicine, power generation, manufacturing, petroleum etc.

## • Highway :-

This type of construction project involves alteration, repair and construction of roads, streets, highways, runways, paths etc. It also included incidental construction.

## • Heavy :-

These types of construction projects tends to involve the projects which aren't classified properly as buildings or highways. e.g dams, flood control projects, water treatment plants, sewer line projects etc.