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Subject

Construction Management.

Problem 1:- Project Life - Cycle.

A project life cycle is the sequences of phases that a project goes through from its initiation to its closure.

The number and sequence of the cycle are determined by the management and various other factors like needs of the organization involved in the project the nature of the project, and its area of application.

The project lifecycle can be defined and modified as per the needs and aspects of the organization. Even though every project has a definite start and end, the particular objectives, deliverables, and activities vary widely.

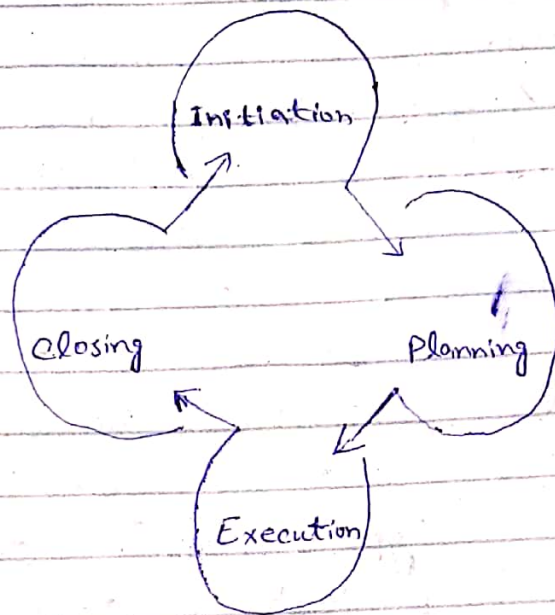
Project life cycles can range from predictive or plan-driven approaches to adaptive or change-driven approaches. In a predictive life cycle, the

specifics are defined at the start of the project, and any alterations to scope are carefully addressed.

Characteristics of the Project Life cycle.

Although projects are unique and highly unpredictable, their standard framework consists of some generic lifecycle structure, consisting of following phases;

- 1) The Initiation phase: Starting of the project.
- 2) The planning phase: Organizing and Project.
- 3) The Execution phase: Carrying out the project.
- 4) The Termination phase: Closing the project.



Problem 2:- Major types of construction.

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 buildings, repairing and remodeling of structures for the purpose.

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

3) Specialized Industrial Construction.

The third type of construction which entails building structures that requires a high level of

specialization as well as technical skills in planning, construction skills and design. This type of construction is carried out by for profit or industrial corporations.

4). Infrastructure and Heavy Construction.

This type of construction is infrastructure which encompasses building and upgrading of railways, communications, and road, railways to the surrounding of a city or existing building construction. This type of construction usually done due to the public interest and is often executed by government agencies and large private corporations.