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Section:-

C

Subject:-

Construction Management and Project.

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Assignment No.:-

~~2nd~~ 1st

Date:-

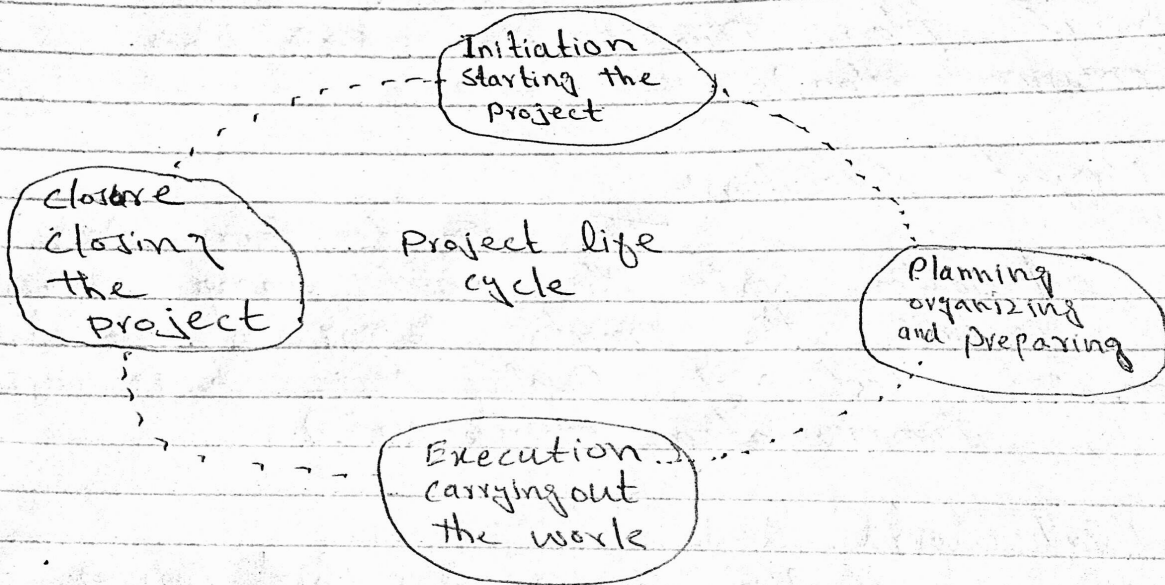
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(1)

What is Project life cycle:-

- It describe all the activatives which are involved from the start of the business to successful completion.
- It explain a series and phase of project completion.
- The project life cycle consists of four phases, initiation, planning, execution (including monitoring and controlling) and evaluation.

Diagram:-



(2)

Stages in PLC:-

① Initiation phase:-

The initiation phase begins by defining the scope, purpose, objectives, resources, deliverables, timescales and structure of the project. The next step is to develop a business case (Feasibility study, Terms of Reference, project team).

2) Project Plan:-

Which the project manager will refer throughout the project to monitor and control time, cost and quality. (Resource plan, Financial plan, Quality plan Risk plan Acceptance plan)

③ Project Execution:-

The project team produces the deliverables while the project manager monitors and controls the project delivery by undertaking (Time, mgt, Cost Mgt, Quality Mgt, Change Mgt, Risks, Communication Management).

④ Evaluation:-

(Also known as Post-Implementation Review) should be carried out to determine the project's overall success and find out whether the benefits stated in the original business case were actually realised. Any lessons learned should be documented for future projects.

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Problem 2:-

Construction Project

Construction project means any capital project paid for in full or in part by the town through its own eligible funds to construct or remodel any building, decorative or commemorative, structure, part or any portion thereof within the corporate limits of the town and with respect of the construction of which building is required under state law.

Types of construction Project:-

①:- Residential:-

These project include townhouses, condominiums, apartments cottages, subdivisions, and single-unit dwellings. The designs are usually made by engineers and architects and construction executed by builders.

② Building :-

Constructing buildings is the most common types of Project. It's a process of adding structures to properties.

Most Projects are small renovations or room additions. Most new building Projects involve constructions of sheltered enclosures with access for housing people, machinery, equipment, and supplies. It also includes installation of equipment and utilities.

(2)

③ Commercial and institutional :-

These build a whole lot of Project sizes and types like hospitals, clinics, schools, universities, stadiums, sports facilities, shopping centres, retail stores, warehouses, manufacturing plants etc.

Special engineers and architects are usually hired for the construction of these buildings. There are very few competitors in this market segment since it costs a lot of commercial money and requires greater sophistication in terms of commercial and institutional building when compared with residential projects.

④ Industrial :-

This is just a small part of the construction industry but is a very important part nonetheless. like medicine, manufacturing, power generation.

⑤ Highway

This involves alteration, repair and construction of roads, streets, alleys, highways, runways, paths etc. It also includes incidental construction.

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(5)

(6) Heavy

Lastly, these projects tend to involve projects which aren't classified properly as buildings or highways. Some examples include dams, sewer line projects, sewage treatment facilities, dredging projects, flood control projects, water treatment plants etc.

These are some of the most popular types of construction today.