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Subject ; Construction
Management

Assignment ; 01

Question #1

Q# what is project life cycle Explain briefly with diagram?

* Project life Cycle;

A standard project typically has the following four major phases: Initiation, planning, Execution and closure. Taken together these phases represent the path a project takes from the beginning to its End and are generally referred to the project life cycle.

Phase of project life cycle.

- ① Initiation.
- ② Planning.
- ③ Execution.
- ④ Closure.

* Initiation;

* Finally you need to identify a business need problem or opportunity and brainstorm ways that your team can meet this need, solve, you figure out objective for your project, determine whatever the project is feasible and identify the major deliverable for the project.

* Steps for Initiation;

* Under taking a feasibility study.

* Identifying scope.

* Identifying project stakeholders.

* Developing a business case.

* Developing statement of work.

* Planning;

Once the project is approved to move forward based on your business case, statement of work, or project initiation document, you move into the following phase.

* During this phase of the project management life cycle you breakdown the longer project into smaller tasks, build your task term and prepare a schedule for the completion arrangements, Create smaller goal within the longer project making sure each is reliable within the time frame, Smaller goal should have a high potential for success.

* Steps for project planning:

- * Creating a project phases.
- * Creating work flow diagram.
- * Estimating budget and creating a financial plan.
- * Gathering Resources.
- * Anticipating Risk & potential quality road blocks.
- * Holding a project kickoff meeting.

* Execution;

- * You are revised received business base approval developed a plan and built your team. Now its time to get to work the execution phase. Turn your plan into action. The project manager's life cycle is to keep work on track organize team members and manage timeline.

* Steps for the Execution;

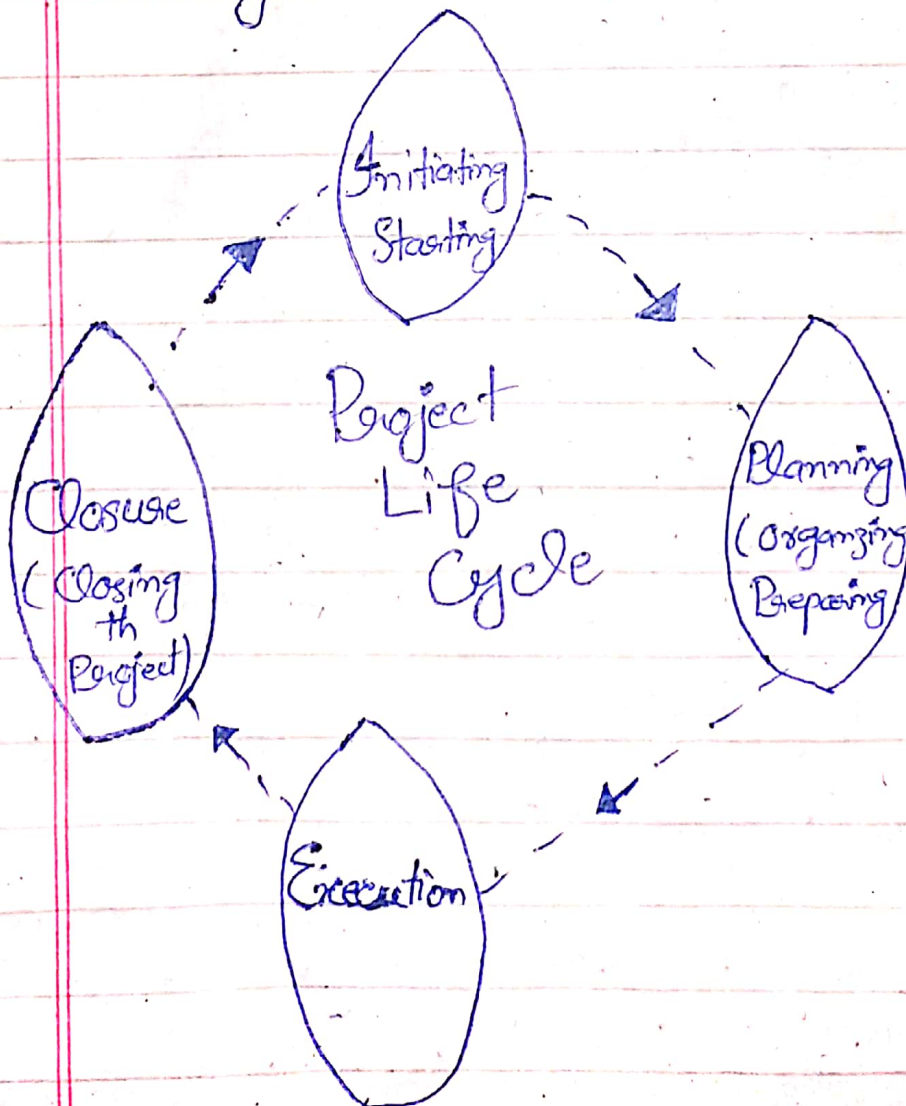
- * Creating tasks and organizing workflows.
- * Briefing team members on tasks.
- * Communicating with team members.
- * Monitoring Quality of work.
- * Managing budget.

* Closure:

Once your team has completed work on a project, you enter the closure phase. In the closure phase, you provide final deliverables, release project resources, and determine the success of the project. Just project manager's job is done. These are still important things to do including evaluating what did and did not work with the

* Steps for closure;

- * Analyzing project performance.
- * Analyzing team performance.
- * Documentaring project closure.
- * Conducting post-Implementation Review
- * Accounting for used and unused budget.



Question # 02

Q# 2; Define & Explain major types of construction project?

* Construction Project;

* A construction project some time just referred to as a project is the organized process of constructing, renovating etc building, structure or infra structure.

* Following are the four major types of construction projects.

* Residential Building.

* Institutional & Commercial Building.

* Specialized Industrial construction

* Infra structure and heavy Construction.

* Residential Building; The

First type of construction is residential building construction which involve building, Repairing and remodeling of structure for the purpose of having people, supplies or Equipment. It includes apartment townhouses, nursing houses, dormitories etc also garages and out building like utility sheds are considered as residential constructions. As mentioned above residential construction also involves repairing and installation of utilities like water and Electricity around the structure. The design of residential housing project is usually done by Engineer and architects.

* Institutional & Commercial Buildings.

* This type of construction encompasses project schools, sports, shopping centers, hospitals, stadiums, retail stores and like residential housing construction. Institutional and commercial building involves that putting up new structure, typically a project like store is usually commissioned by company or private owner, other projects such as stadium, school are often paid for and managed by both the local and national agreement.

* Specialized Industrial Construction;

* The third type of construction is specialized type of construction for industries which entails building structure that requires high level of specialized as well as technical skill in planning construction and design. Typically this place of construction carried out for profit or industrial cooperation. For building structure, chemical industry can build up, oil refineries and power generation nuclear power plant and hydro electric power plant which are Examples of specialized Industrial Construction.

* Infrastructure and Heavy Construction;

The last type construction is infra-structure and heavy construction which Encompasses building and upgrading of railways. Communication and road, railway to the surroundings 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 Incorporation. Some other project that fall under this type of construction include tunnels, bridges, highway transits system, drainage, system and pipelines.