IQRA NATIONAL UNIVERSITY PESHAWAR

ASSIGNMENT NO 01

DEPARTMENT OF CIVIL ENGINEERING

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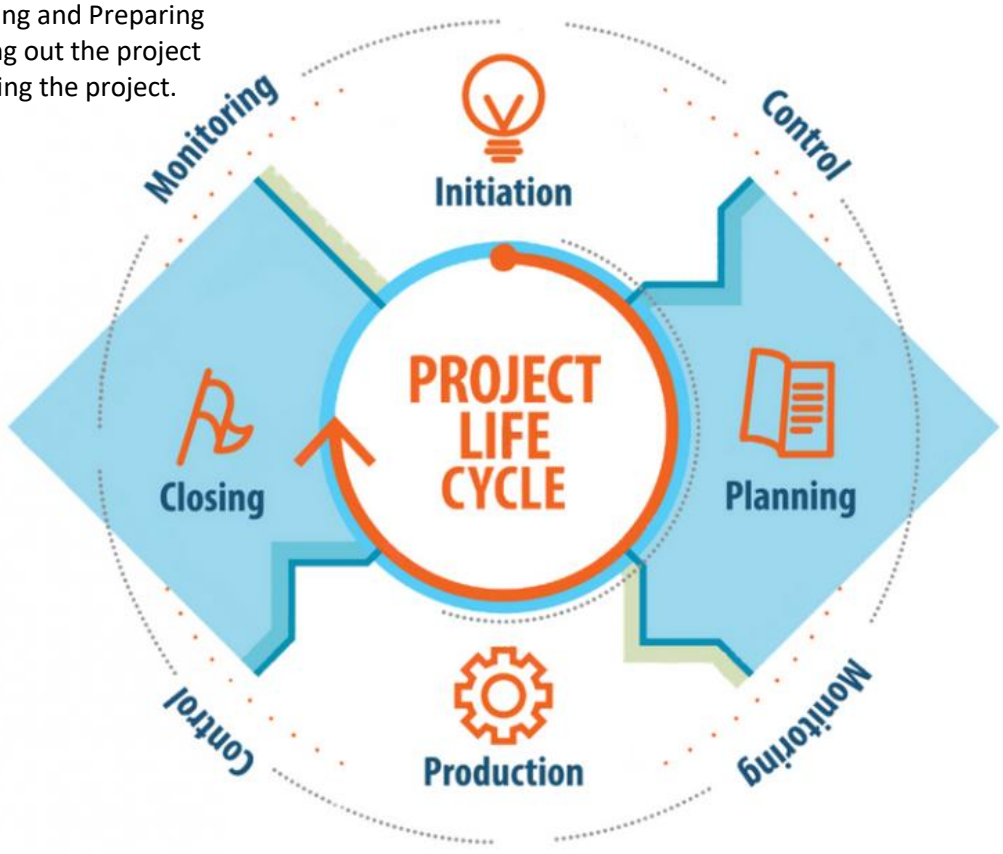
Q N0 01: ANSWER

PROJECT LIFE CYCLE: A project life cycle is the sequence 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 phases have a definite start, end, and control point and are constrained by time. 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. The lifecycle provides the basic foundation of the actions that has to be performed in the project, irrespective of the specific work involved.

Characteristics of the Project Life Cycle

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

The Initiation Phase: Starting of the project
The Planning Phase: Organizing and Preparing
The Execution Phase: Carrying out the project
The Termination Phase: Closing the project.



Q N0 02: ANSWER

THE DIFFERENT TYPES OF CONSTRUCTION PROJECTS

Construction is a process which consists of assembling or building infrastructure. It includes all work and materials required for the construction of finished structures. This also includes site foundations, preparations, electrical work, mechanical work, and any work required to complete projects.

Here are a few types of construction projects:

RESIDENTIAL

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

BUILDING

Constructing buildings 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 for housing people, machinery, equipment, and supplies. It also includes installation of equipment and utilities.

COMMERCIAL AND INSTITUTIONAL

These buildings include a whole lot of project sizes and types like hospitals, clinics, schools, universities, stadiums, sports facilities, shopping centre, 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 money and requires greater sophistication in terms of commercial and institutional buildings when compared with residential projects.

INDUSTRIAL

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

HIGHWAY

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

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.