

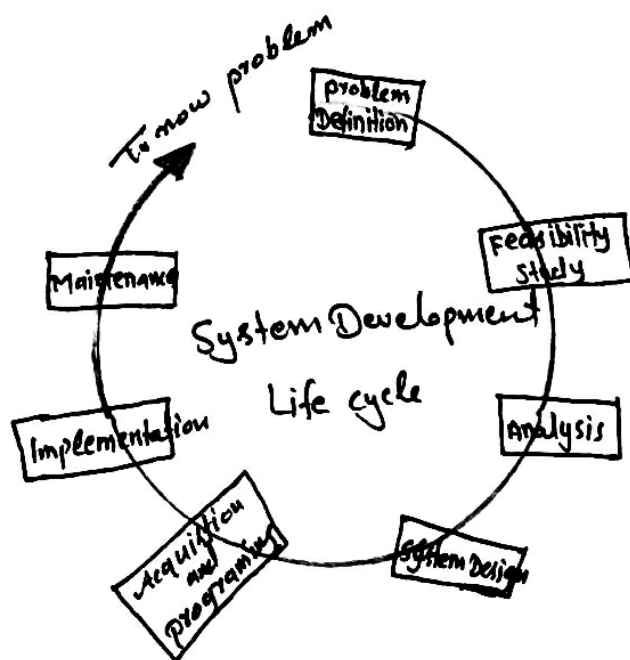
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Section	C
Department	BE(Civil)
Subject :	Construction Management
Assignment No	01
Submitted to	Dr. Engr. Zeeshan ahad

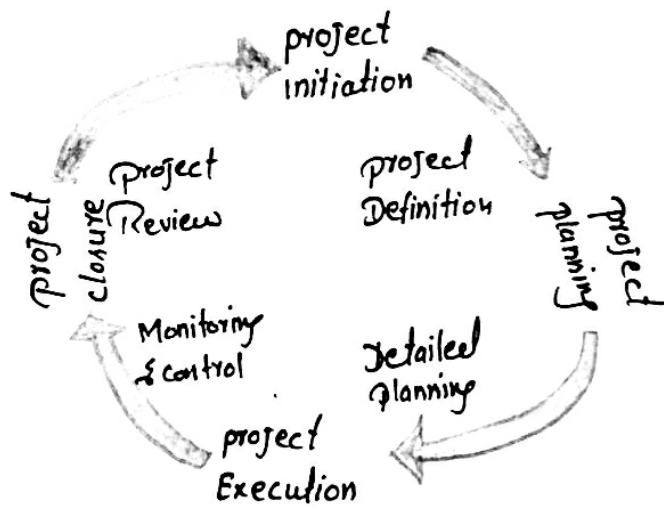
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project life cycle:

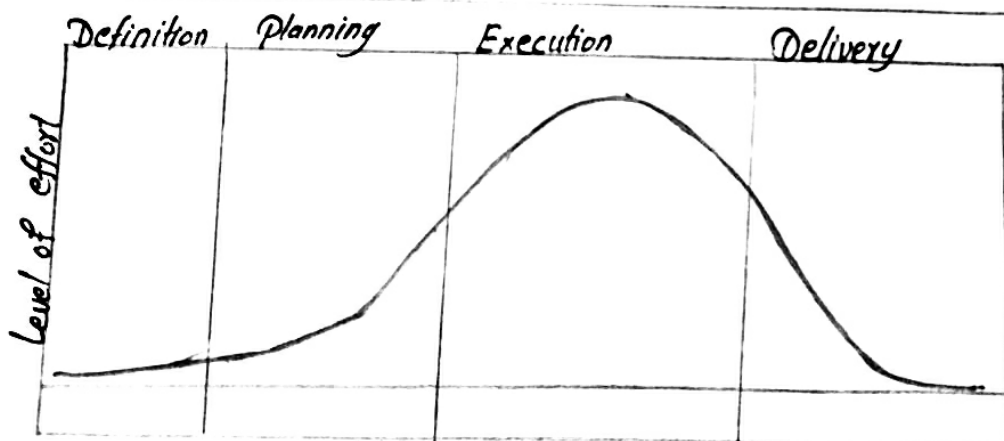
- 1) It describe all the activities which are involved from the start of the business to Successful Completion.
- 2 It explains a series and phase of project completion.
- 3 The project life cycle consists of four phases, Initiation, planning, execution (including monitoring and controlling) and evaluation.

System Development Lifecycle





PROJECT LIFE CYCLE:



- | | | | |
|---------------------|--------------|-------------------|-----------------------|
| 1. Goals | 1. Schedules | 1. Status reports | 1. Train Customer |
| 2. Specifications | 2. Budgets | 2. Changes | 2. Transfer documents |
| 3. Tasks | 3. Resources | 3. Quality | 3. Release resources |
| 4. Responsibilities | 4. Risks | 4. Forecasts | 4. Reassign staff |
| | 5. Staffing | | 5. Lessons learned |

Stages in project Life cycle:

- 1 **Initiation phase:** It is defined as the scope, purpose, objectives, resources, deliverables, timescale and structure of the project. The next step is to develop a Business case (Feasibility study, Term 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:** project execution phase the project team produces the deliverables while the project manager monitors and control the project delivery by undertaking (Time Mgt, Cost Mgt, Change Mgt, Risk, Communication Management)
- 4 **Evaluation:** (also known as a post-Implementation Review) should be carried out to determine the project 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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Types of Construction projects:

There are different types of Construction projects:

- * Residential
- * Building
- * Institutional and Commercial
- * Industrial
- * Specialized Industrial Construction
- * Highway Construction
- * Heavy Construction

1 **Residential:** Residential construction projects incorporate houses, townhouses, lofts, apartment suites, bungalows, single unit homes and subdivisions. The housing outlines are by and large done by planner and engineers and the development is executed by manufacturers who contract subcontractors for basic, electrical, mechanical and other claim to fame work

2 **Building:** Building development may be the most famous kind of development venture. It is the way toward adding structure to genuine property. A large portion of the undertaking are room increments and little remodels.

Most new building development ventures are development of shielded fenced in areas with stroll in access with the end goal of lodging individuals, gear, apparatus or supplies

3 Institutional and Commercial: Institutional and business building development covers an extraordinary assortment of venture sort and sizes, for example, healing facilities and facilities, school and colleges, sport offices and stadiums, expansive strip mall and retail chain stores, light assembling plants and distribution centers and high rises for workplaces and inns.

4 Industrial: Industrial construction is only a small part of the whole construction industry nevertheless it is a very important part of the industry.

5 Specialized Industrial Construction: This type of construction project usually involves very large scale projects with a high degree of technological complexity such as nuclear power plants, chemical processing plants, steel mills and oil refineries.

6 Highway Construction: Highway construction involves the construction, alteration or repair of roads, highways, streets, alleys, runways, paths, parking area etc. It includes all incidental construction in conjunction with the highway construction project.

7 Heavy Construction: Overwhelming development extends more often than not include ventures that are not appropriately named either "building" or "roadway".

Examples of this sort of venture would be water and sewer line ventures, dams, sewage, treatment plants and offices, ~~Sea~~ Surge Control ventures, digging undertaking and water treatment plants and offices.

End