

Name

Mirza Ali

ID

7767

Section

A

Subject

Construction Management

Assignment no

01

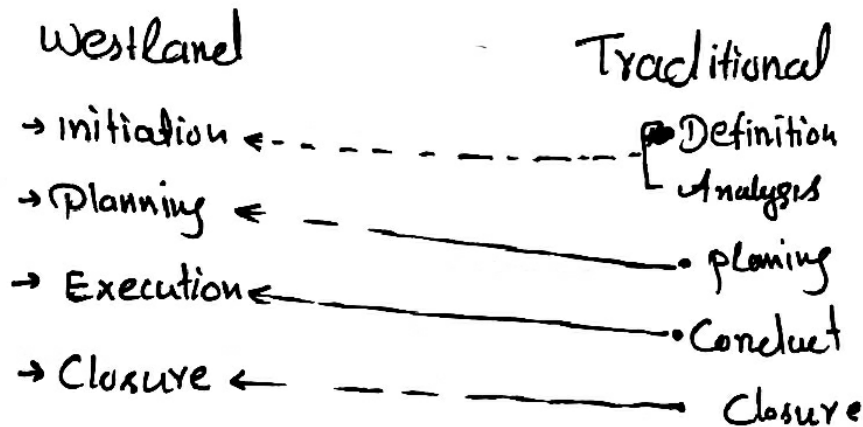
Submitted to

Dr. Engr. Zeeshan Ahsan

Q=No=ol

⇒ What is a project life cycle?

* Phases, activities, and tasks needed to execute the work associated with a project.



Review the experience and the result; concentrate on "lessons learned"

Define what is to be done and what is to be produced

Execute the Plan do the work keeping abreast of situational impact

Define how the work is to be done, what is to be used and who is to be assigned

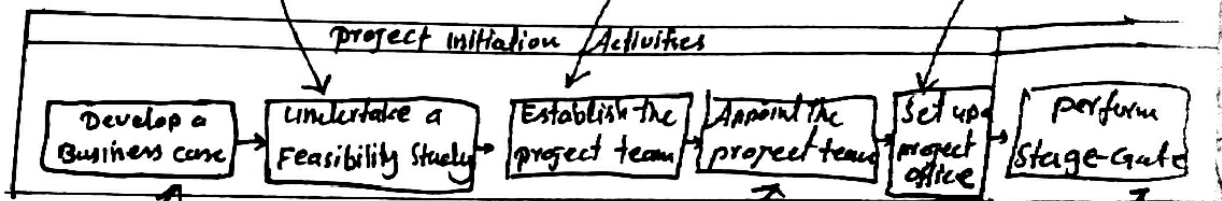
Project Initiation Process

* The Steps Involved in Start up

- 1: Determine "doability"
- 2: Determine affordability

- 1. Establish Scope
- 2. Establish Constraints
- 3. Define boundary Condition
- 4) State objectives

- 1: Appoint project leadership
 - 1: project Manager
 - 2: chief Engineer
 - 3: Team leader
- 2: Establish a project work area.



- 1: State The business problem
- 2: Explain the business reasons to solve
- 3: Identify what is proposed

- 1. Determine needed Skills
- 2: Assess available resources
- 3: Define training needs
- 4: Identify resourcing needs
- 5: Name the team

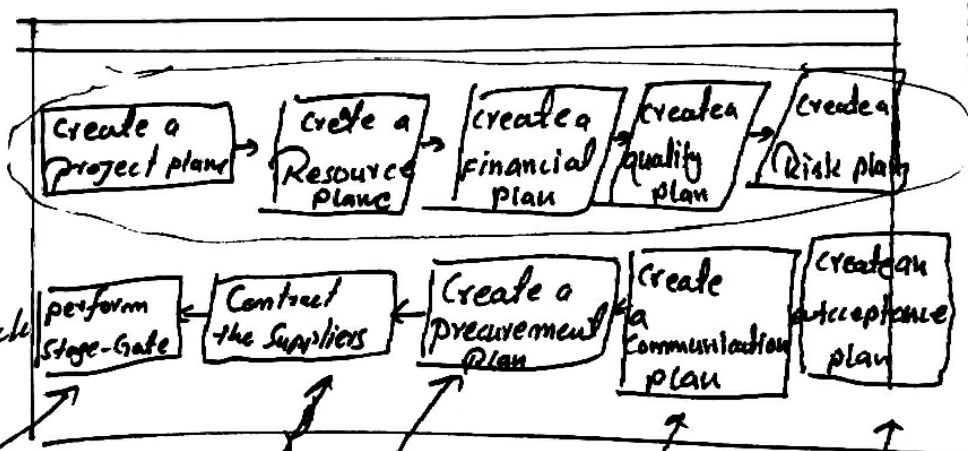
- 1: Conduct a reality check
- 2: Obtain approval to proceed
 - 1 Go/No Go decision

Project Planning process

* Detailed planning of the work to be

Create a Performance
address the critical
Success Components of
a project

- work
- labor
- materials
- money
- Satisfaction / goodness
- Risks / mitigations



- 1: Conduct a reality check
 - 2: Obtain approval to proceed
- 1 Go/No decision

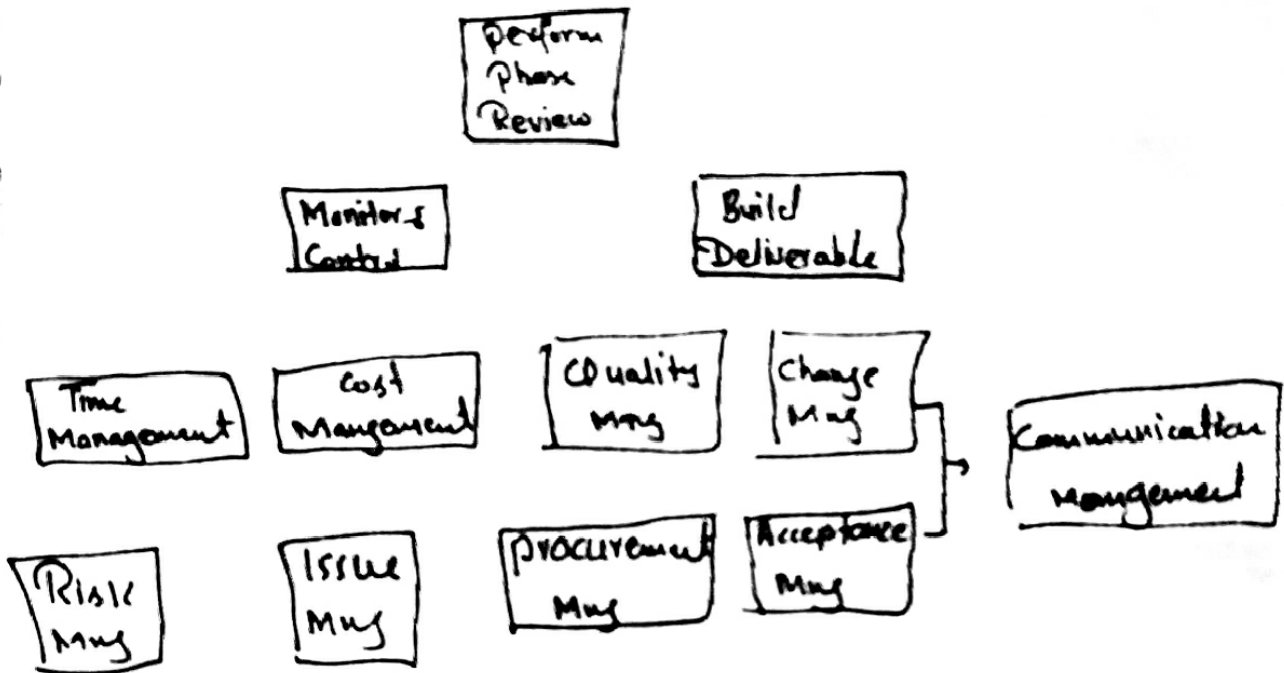
- 1 Review procurement requirement
- 2: Develop acquisition plan
- 3: Initiate procurement

Determine / document
Plan to communicate
Project status &
needs

Determining
document
customer's
Satisfaction
requirements

Project Execution Process

* Constructing the Project deliverables



Project Closure

⇒ Review the experience

- * work and associated quality
- * Team performance
- * Cost experience
- * Procurement experience

- ⇒ Discuss lessons learned
- ⇒ Release dedicated resources
- ⇒ Create the archive
- ⇒ Final report to management
- ⇒ ~~Send~~ Thank the team

Q = No = 02

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.

7 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