BELLO EL-AMEEN 18/ENG02/027 COMPUTER ENGINEERING ENGINEER IN THE SOCIETY

1a) THE KICKOFF MEETING:
There's a meeting held to
discuss the rehabilitation
project of Alfa Belgore Hall.
b) THE ARCHITECTURAL
DRAWINGS: Then after the
meeting, an Architect is called
to make the plans for the
renovation. This is where the
parts of the hall to be
demolished and renovated are
chosen.

chosen.
c) THE SITE MOBILIZATIONS:
This refers to the activities
carried out after the client has
appointed the contactors (the
engineers, mason's etc.), but
before the trade contractors
commence work on site. It is a

preparatory stage during which the majority of activities are managed by the Lead consultant.

After site mobilization the site is closed for safety reasons. d) THE DEMOLITION OF STUCTURES: In this stage the

structures planned by the

demolished to make way for the renovation process. e) RENOVATION: This is where things in the hall are improved for instance the roof can be changed, the floor can be tiled

architect to be demolished are

f) TEST: This is where the building is tested and mistakes in construction are found and rectified.

etc.

g) HANDOVER AND CLOSE **OUT**: This takes place after construction The employer is able to occupy the development but the contractor

rectifying defects during a period known as the 'defects liability period' (or 'rectification period') which typically lasts six to twelve months. A formal hand-over in needed to prevent arguments on terms and defect reporting protocol should be agreed on. This should all be done after inspection of the site. After all that is agreed upon, the contractor prepares an information exchange (or 'data drop') as required by the employer's information requirements. This is where the client can then check whether the accounts are balanced or not.

remains responsible for

h) <u>IN-USE</u>: 'In use', sometimes referred to as 'operation', describes the period after any defects have been rectified and

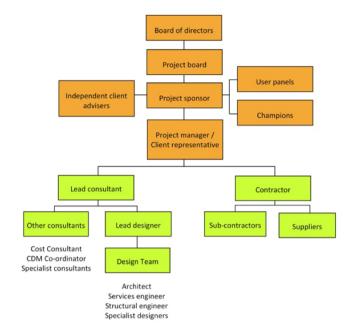
fine tuning carried out when the development is in 'normal' operation.

2.



Project Gantt Chart

3.



Other human resources include: Electrical Engineers, Civil engineers, etc.

The lead consultant should be the Architect as the renovation plans were drawn by him/her

- 4. The site was secured to prevent:
- a) Injury to students from falling

objects
b) Accidents occurring between
delivery vehicles to site and
students
c) Students from falling into
excavation holes or piles of
sand or gravel during
renovation
d) Dust that affects students
e) Students from stepping on
sharp objects
f) Students from entering the
renovated building when it is
not safe
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Measurement and Evaluation): This is a tool used before, during and post-construction to assess and value the cost of construction works. This includes the cost of materials, labour, equipment, and all/any other resource(s) required for the success of any construction endeavour based on a pre-

7. BEME (Bill of Engineering)

determined scope and specification. Its objectives are to sufficient information during construction planning, for tendering and contracting purposes or for the purpose of knowing the estimated cost of the proposed project. Also, to facilitate the comparison of rates and prices between biddeSrs. **Defect Liability Period:** Is a period of time following practical completion during which a contractor remains

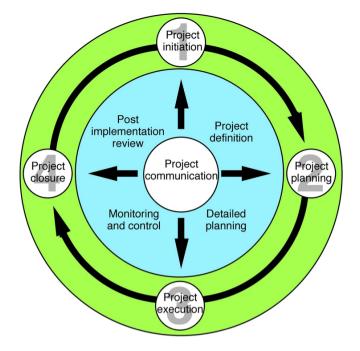
liable under the building contract for dealing with any defects that become apparent. During this period the client reports any defects that arise to the contractor.

Lead Consultant: The lead consultant is the consultant that directs the work of the consultant team and is the main point of contact for

communication between the client and the consultant team, except for on significant design issues where the lead designer may become the main point of contact. His role may include: Co-ordinating, monitoring and reviewing the work of the consultant team (and others, such as specialist designers and specialist contractors), Arranging consultant team meetings and planning work stages, Preparing programmes and progress reports, Seeking instructions from the client, Advising the client on the choice of procurement route, Advising the client on the need to appoint additional advisers, consultants or specialist designers, Establishing change control procedures at key stages, for example when the project brief is frozen or when detailed design is frozen,

Arranging value management exercises, Advising the client on the choice of contract and contract conditions, Assist the client in defining selection criteria for contractors and preparing pre-qualification questionnaires, Co-ordinating the review of tenders. Project Life cycle: The phases that represent the path a project takes from the beginning to its end and are generally referred to as the project "life cycle." There are 4 phases in a project life cycle namely; initiation, planning,

implementation, closing phase.



Environmental Impact
Assessment (EIA): This is the
assessment of the
environmental consequences of
a plan, policy, program, or
actual projects on the people or
the natural resources in the
area prior to the decision to
move forward with the
proposed action. In Nigeria, it
must be sent to FCDA (Federal
Capital Development Authority)
or FHA (Federal Housing
Authority)