

Name: Icheqbo Favour Eruchi

Mat No: 18/ENG02/042

Dept: Computer Engineering

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## ALPHA BELGORE REHABILITATION PROJECT HAPPENING AT AFE BABALOLA UNIVERSITY, ADO-EKITI

The rehabilitation (or reconstruction) of the Alpha Belgore hall at Afe Babalola University, Ekiti which is located in Ado-Ekiti, the capital of Ekiti state is due to the following reasons;

- The need for more space to accommodate more people there
- Safety concerns due to the age of the building
- The need to improve the hall and provide it with modern days facilities as it is a centre piece in the School.

So the project shall commence on the 31<sup>st</sup> of January, 2020. The procedure of the rehabilitation would be done in stages and the following stages are stated and explained below.

### \* THE CLEARING

At this stage the building would be evacuated for work, The building would be cleared and all the furniture would be taken out and moved to a secure and safe place. Facilities would also be taken out and moved to a warehouse till after the project. ~~to a secured and safe place for~~ Businesses which were operating there would close (e.g. ICT, Bookshop) would be located to another temporary site, so they can continue their business activities while their permanent site would be under construction. The Clearing stage is estimated to be completed in 21 days (3 weeks).

### \* SECURING THE SITE

At this stage after evacuation and removal of furniture and other important facilities and vacation of other businesses around that premises the stage would be commenced immediately. A barrier made of roofing

Sheets would be used to secure the site. This is necessary to ensure no one would be able to enter and leave the site at will. The only set of people with access to the site would be authorised personnel, official personnel, workers and official members of the school board (owners of the project) to inspect. This would restrict access to the site for students and those who are not mentioned above. This would be in order to prevent unnecessary accidents and limit to movement on site and also secure the equipments used on site as no one would be allowed access once the gate is locked and work for the day has finished. It would take an estimated number of 2 weeks to complete.

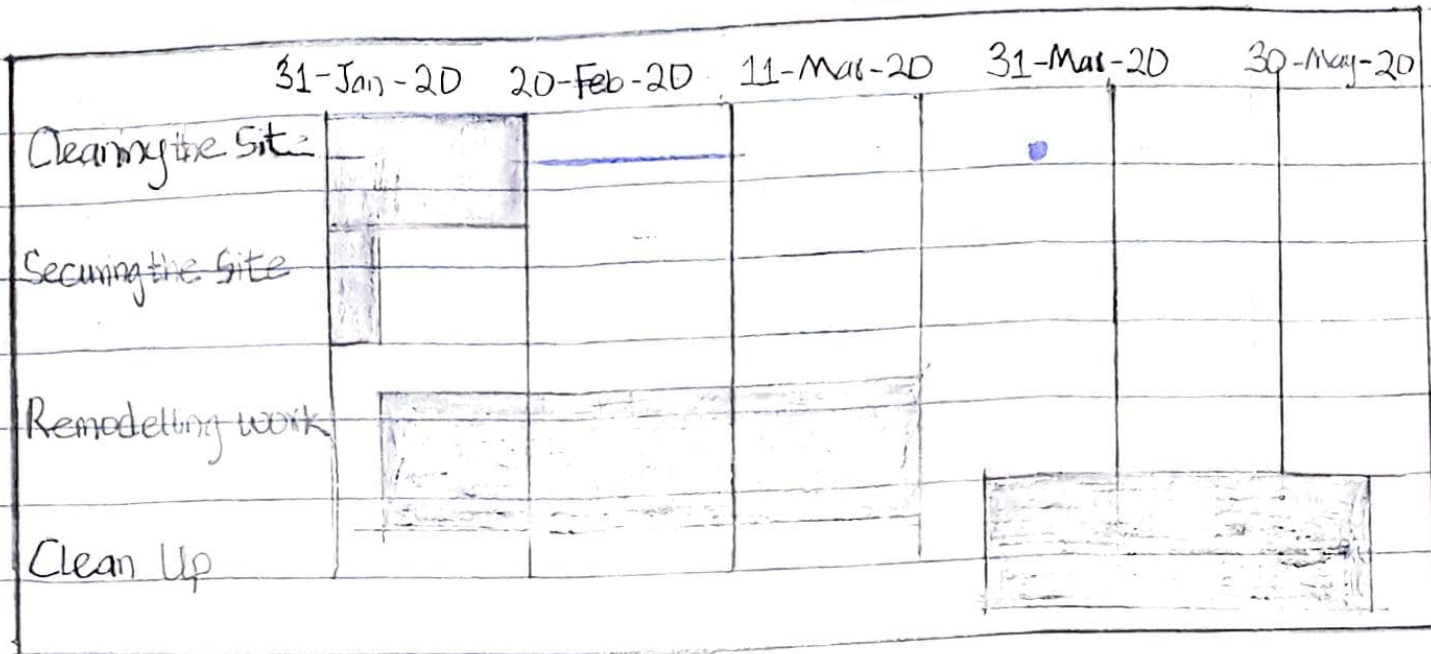
## REMODELLING WORKS

This is when the main work commences, we will start by removing the roof of the building. After that we will then begin other remodeling work on the building. The main objective for this work is to expand the building so it can accommodate more people for social events and other school related activities. At the end of the project, the building is going to have more space, more facilities and more modern day touch. <sup>The estimated duration</sup> ~~is order to represent~~ of this stage is 2-3 months i.e. (6-8) weeks).

## CLEAN UP

This is the final stage of the project, where all the materials, the tools equipments used and the heavy duty machines would be returned. The roofing sheets would be cleared and also the left over material. So the place would be okay and ready for use. The estimated duration for this operation would take an amount of 4-5 weeks.

# Gantt Chart



## HUMAN RESOURCES NEEDED AND THE PROJECT TEAM

For the project to be successful and to be accomplished within the time given, a workforce of 30-40 men <sup>would</sup> ~~should~~ be needed for the whole project if the project is to follow the estimated time given to it which is approximately 126 days to complete. The project team would consist of following professional members;

Quantity Surveyors who will ensure that all the materials used for the project are of good quality and can be used to ensure that the materials are in good shape.

An electrical engineer that will ensure that all the electrical connections are correct and the <sup>installed</sup> ~~electricity~~ correctly.

An Architect who will design the new structure.

A Structural Engineer that will ensure that the new structure can hold and can live up to its expectation.

Water works engineers who will ensure that the water facilities are in good condition.

There will also be a need for a group of consultants who will advise the best way that the project will move.

## REASON WHY THE SITE HAS TO BE SECURED

The site would be secured with roofing sheets and the only entrance would have chains and padlock when the work for the day is over. This is to limit the number of people to have access to the site during working hours, so as to avoid accidents during work hours. So it would only be workers and officials on the site during working hours. After working hours the gate would be closed, so as to avoid anyone to be able to enter and steal any material from the site. So generally the site is secured to avoid accident due to ignorance and theft.

## BILL OF ENGINEERING MEASUREMENT AND EVALUATION (BEME)

ITEM NO	DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
1	Roofing sheet	100	₦ 1,400.00	₦ 140,000.00
2	Cement bags	500	₦ 180,000.00	₦ 90,000,000.00
3	Trucks of gravel	12	₦ 35,000.00	₦ 420,000.00
4	Trucks of sand	13	₦ 45,000.00	₦ 585,000.00
5	Glass i.e 12x12	10	₦ 50,000.00	₦ 500,000.00
6	Light bulb fittings	40	₦ 8,000.00	₦ 320,000.00
7	Light bulbs	40	₦ 2,500.00	₦ 100,000.00
8	Copper wires	60	₦ 2,000.00	₦ 120,000.00
9	Projector	3	₦ 150,000.00	₦ 450,000.00
10	T.V	4	₦ 100,000.00	₦ 400,000.00
11	Pipes of different sizes	46	₦ 80,000.00	₦ 3,680,000.00
12	Window	13	₦ 450,000.00	₦ 5,850,000.00
13	CCTV cameras	12	₦ 25,000.00	₦ 300,000.00
14	CCTV system	1	₦ 50,000.00	₦ 50,000.00
15	Total estimated cost			₦ 10,291,500.00
16	Miscellaneous (10%)			₦ 1,029,150.00
17	Consultancy Fee (15%)			₦ 1,543,725.00
18	Site preparations and Cleaning after completion (5%)			₦ 514,575.00
19	Transportation (12%)			₦ 1,234,980.00

Over

Retain 10% of Total Estimated cost for a 6 months defect

Bill of Engineering Measurement and Evaluation (BEME)

For all engineering works, it is required to know before

the cost of construction known as estimated cost. Bill of

Measurement and Evaluation (BEME) also referred to

as a tool used before, during and post-construction to assess

the cost of construction works.

Defect Liability Period

## 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 phases 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 application. The phases have a definite start, end, and control point, and are constrained by time. The project lifecycle can be defined and modified per the needs and aspects of the organization.

## Environment Impact Assessment (EIA)

The term "environmental impact assessment" (EIA) is usually used to refer to assessments applied to actual projects by individuals or companies and the term "strategic environmental assessment" (SEA) applies to policies, plans and programs most often proposed by organs of state. It is a tool of environmental management forming a part of project approval and decision making. Environmental assessments may be governed by rules of administrative procedure regarding public participation and documentation of decision making, and may be subject to judicial review.