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DEPARTMENT: BIOMEDICAL ENGINEERING

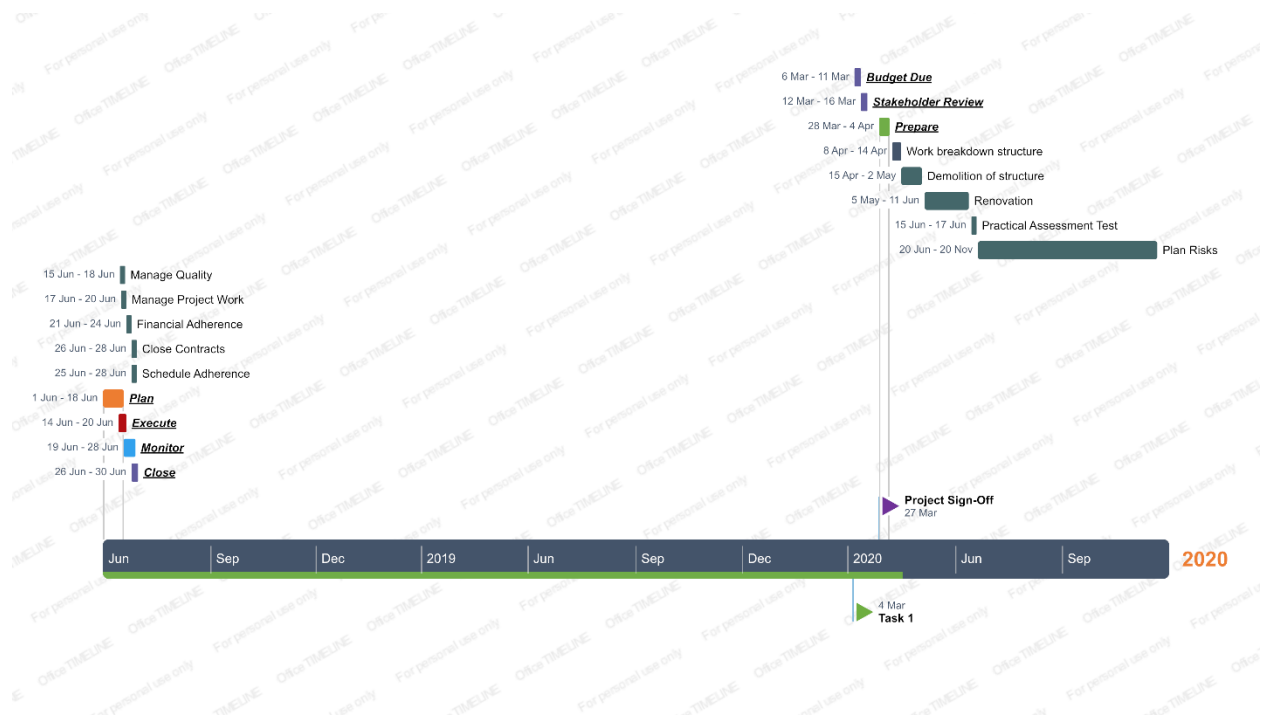
COURSE TITLE: ENGINEER IN SOCIETY

COURSE CODE: ENG 284

## 1. Scope of work

- Evacuation of all personnel working within the building i.e.: bookshop and ICT personnel
- Evacuating all equipment, and materials i.e.: chairs, tables etc.
- Securing the site
- Removing roofing sheets
- Strengthening roofing skeleton/roofing frame
- Putting new roofing sheets
- Scraping off old paint
- Plastering
- Painting the building
- Fixing all electrical issues
- Cleaning the building properly

## 2. Project Gant Chart



3. Human resources needed includes;

- Client (lead consultant)
- Consultant
- Architect
- Contractor
- subcontractor

4. The site was secured to prevent people from coming close to the construction site so as to avoid dangers from occurring and to give room for the workers to do their job.

BEME(BILL OF ENGINEERING MEASUREMENT AND EVALUATION)				
S/N	DESCRIPTION	PERCENTAGE	TOTAL ESTIMATED COST(TEC)	DESCRIPTION COST
1	Miscellaneous	10%	₦10 000 000	1 000 000
2	Consultancy Fee	15%	10 000 000	1 500 000
3	Site Preparation And Clearing After Completion	5%	10 000 000	500 000
4	Transport Cost	12%	10 000 000	1 200 000
5	Profit	20%	10 000 000	2 000 000
	Total	62%		6 200 000

#### 7. what is BEME

Bill of Engineering measurement and Evaluation also referred to as “BILL” is a tool used before, during and post-construction of assess and value the cost of construction works. This includes the cost of materials, labor, equipment and all/any other resource(s) required for the success of any construction endeavor based on a pre-determined scope and specification.

#### Defect liability period

This is a period of time following practical completion during which a contractor remains liable under the building contract for dealing with any defects which become apparent. A defect liability period is usually a period of around six or 12 months but it can vary depending on the contract used

#### Lead consultant

Lead consultants are in charge of supervising a team of junior consultant. A 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.

### Project life Cycle

This refers to the four-step process that is followed by nearly all project managers when moving through stages of project completion. This is the standard project life cycle most people are familiar with. The project life cycle provides a framework for managing any type of project within a business.

### Environment Impact Assessment (EIA)

Environmental assessment is the assessment of the environmental consequences of a plan, policy, program, or actual projects prior to the decision to move forward with the proposed action.