Name: UMOINYANG FLORENCE AKAI

Matric No:17/ENG01/030

Department: CHEMICAL ENGINEERING

Short Test

SUBMITTED TO

ENGR. DR.OYEBODE

AFE BABALOLA UNIVERSITY, ADO-EKITI, EKITI STATE.

IN PARTIAL COMPLETION OF THE CONTINUOUS ASSESSMENT (C.A) FOR THE ENGINEERING LAW AND MANAGERIAL ECONOMICS (ENG 384) COURSE. MAY 21, 2020

SHORT TEST

You have been invited by the current president of Nigeria, General Muhammadu Buhari to make an argument for the optimization of engineering resources in the country. As an aspiring Engineer, briefly discuss your view on this and make viable recommendations that will facilitate timely completion of engineering projects within the allocated budget without jeopardizing economic and legal regulations of Nigeria.

SOLUTION

Engineering resources in the country can be optimized by having a transparent contractor-worker relationship. Contracts are awarded to engineering firms, ie rehabilitation of an express way. Such contracts should have a human resources manager, an engineering supervisor, an economist. Likewise an ecological expert should be on board.

Recommending building a solid team that is to pick competent staff and get them all involved in planning and executing without counting too much on individual skill because teamwork and collaboration are more important.Also efficient communication is critical on every level as communication between the product owners and customers is needed as well as communication between your project team to carry out the work easily

I would also recommend having great executive support If the senior management isn’t engaged in a project and shows no interest for it, you are doomed. It becomes increasingly clear that the project lacks support, and as a result the employee motivation drops dramatically leading to using underhanded methods for the project to work . With strong management support, executives identify and mitigate risks, allocate or acquire resources when the need arises, and provide oversight at every stage of the project. It’s less about the tools and more about the process and attitude.

Human resource managers look out for the input of labourers both skilled and unskilled and likewise should compared to their output.

The engineering supervisor should ensure the the job done by these workers meet all engineering requirements and specification. This must be done without bias.

The economist here must work hand in hand with both the human resource manager and the supervisor as he controls their funding. However, this power shouldn’t be abused. He must correlate with the supervisor to know how the material chosen, the engineering approach taken and a few other factors affect the funding. Likewise he should seek to support human management as some or more workers may have troubles either individually or collectively.

The ecologist literally plays a behind the scenes role and only steps in when any step taken into the project seeks to harm the environment.

With all these put into place, the office of the presidency should give their best shot at ensuring no corrupted individuals are a part of the project. This enables smooth flow of funds from the presidency to the mere workers and this boosts communication.