QUESTIONNAIRE FOR DIRECT ENGINEERING ASSISTANCE (DEA)

1. What are the approximate total numbers of users out of computers and other devices but users in terms of human being (person)?

2. Draw a physical layer 2-network diagram of the current campus network. This must show the following;

    a. Connections on how buildings are interconnected, and state which is a switch/router at which building (name the building).

    b. Identify the fiber links if applicable and state how many strands are in the cable, which fiber is single-mode or multi-mode.

    c. Identify the Ethernet links and type of cable (cat5, cat6 etc.).

3. Draw a physical layer-3 network diagram of the current campus network. This must show the following items;

    a. Show the model of the devices used, example Router, Switch etc.

    b. IP addresses (and subnets if you have), separate the private and public addresses and how big is your public address

    c. Where do you ROUTING and where you do SWITCHING.

    d. Where is or the default gateway?

4. Do you have Wireless network? If yes, how does user connect? If users are authenticated, which type of authentication?

5. What is your entire network address? (Example 10.10.0.0/16) How do you manage IP addresses? Are you using DHPC to leases addresses to end devices or STATIC?

6. Do you have "**Domain Controller**" to manage accounts? And how do you restricts students from staffs authentication if any? Mention other services you might have and there OS/Software you are running.

7. Who is your current ISP? If not TERNET then how this will change with TERNET to become your ISP?

8. Do you have any monitoring tool for your network? If not, then how do you manage your network?

9. Mention specific objectives of requesting DEA at your campus network. This question is very important, as it will help team to advise and improve to meet your goals.