

## **SYNOPSIS FOR ELECTRICAL ENGINEERING**

Electrical Engineering is one of the newer branches of engineering that deals with the technology of electricity. Electrical engineers work on a wide range of components, devices and systems, from tiny microchips to huge power station generators. Some of specialisations in this field include, power generation and transmission systems, motors, batteries and control systems.

Firstly, Load shedding has been one of the biggest problems that our country is currently facing and it has negatively impacted the economy of the country. To solve this problem, the country needs Electrical Engineers who can design, develop, test and supervise the manufacturing of electrical equipment, such as electric motors, radar and navigation systems, communications systems and power generation equipment. As an engineer with such skills, I will work hand in hand with the government by providing technical support and relevant information concerning this matter thereby working towards the problem of load shedding.

Furthermore, as an engineer who is capable of analysing and diagnosing problems relating to electricity, I will work with the government and other engineers in developing innovative projects that aim at diversifying the energy sector of the country. Diversification of the energy sector will bring economic benefits to the country as it will reduce the dependence on hydroelectricity which is the case currently.

In conclusion, studying Electrical Engineering in Egypt will go a long way in helping my country attain its objectives as I will ensure that my expertise and technical knowledge is directed towards the improvement of the power generation, transmission and supply. The opportunity to study in Egypt will expose me to best engineering schools and facilities on the continent hence making a telling contribution to the energy sector of our motherland, Zambia.

**Name**