

PROJECT CONCEPT NOTE

Project Title	Upgrade & Enhance LERC Website with Professional Certification Application Module	
Client	The Liberia Electricity Regulatory Commission, LERC	
Proposed Consultant	HAK Technology	
Consultant's Address	Corner of Benson and Mechlin Streets, Monrovia	
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Proposed Project Start Date	May 1 st , 2023	

Project Historical background

In May 2020, **HAK Technology** designed, developed, implemented, hosted and delivered to the Millennium Challenge Account, (MCA), the Liberia Electricity Regulatory Commission (LERC) website.

One of the features of the LERC Website was the integration of the application for the collection and management of public comments on the website. This module included forms to capture public comments; module that allows the LERC to process and manipulate data and texts collected from the web forms; and the module that enables the LERC staffers to import and export data to and from the application.

Because the website is data-driven, we are in a position to upgrade and enhance it with another module which will allow certified electricians in Liberia apply for professional license from the LERC.

Description of the Project

The LERC in collaboration the MOYS (TVET) division wants to license all certified and professional electrician (housing & industrial) in Liberia. This assignment is to upgrade and enhance the existing LERC's website with a module that will allow certified electricians operating in Liberia to apply for license through the LERC's online application process. In this process, electricians will sign up on the LERC's website and apply for license online. Through this certification module on the website, applicants will be scheduled and take a test administered by TVET once all of the required documents are received. The system will integrate a ePayment Module to allow applicants make online payments for each test taken before they can take any tests.

Therefore, electricians will basically be able to use the new module on the LERC to do the following:

- a. Register on the website upon which a prospective applicant will be given a username and password for access to the Application Platform;
- b. He will be able to login and fill in the Application Form
- c. He will be able to upload his qualifications
- d. He will receive schedule date for his test
- e. If the applicant is successful, the system will print his Accreditation / License
- f. He then will be able to download it or print it online.

This means that the system will be automated grade applicants who take the test and based on their scores issue certificates to those who met the pass threshold preset in the system.

At the backend, system administrators will be able to download from the database the list of the total applicants, their gender disaggregate, those who passed and their scores in which certificates were issued and those who failed. The system will also allow those who failed to retake the test after the required payments have been made.

Rationale for the Project

There are many good reasons why the LERC Website should be upgraded and enhanced with the Professional licensing Certification Application Module. When this module is developed and functional, the LERC will have access to a database of all qualified, accredited and certified electricians in Liberia. Also, the general public who may need the services of certified electricians will be able to use the LERC website to review the list and make its selection of their desired electrician.

This service will increase the visibility of the LERC and its work among the general populace.

Ultimately, when certified licensed electricians are used to provide electrical services in homes, organizations, (local or international), institutions and public places, their professionalism will reduce the risks of fire outbreak and the destruction of life and property throughout the country. It will give LERC an identity and validate their work in the country.