**CHAPTER ONE**

**1.0 INTRODUCTION**

Mining is the extraction of valuable [minerals](https://en.wikipedia.org/wiki/Mineral) or other geological materials from the earth, usually from an [ore body](https://en.wikipedia.org/wiki/Ore), [lode](https://en.wikipedia.org/wiki/Lode), [vein](https://en.wikipedia.org/wiki/Vein_(geology)), [seam](https://en.wikipedia.org/wiki/Coal_mining), [reef](https://en.wikipedia.org/wiki/Quartz_reef_mining) or [placer deposit](https://en.wikipedia.org/wiki/Placer_deposit). These deposits form a mineralized package that is of economic interest to the miner.

Ores recovered by mining include [metals](https://en.wikipedia.org/wiki/Metal#Extraction), [coal](https://en.wikipedia.org/wiki/Coal_mining), [oil shale](https://en.wikipedia.org/wiki/Oil_shale), [gemstones](https://en.wikipedia.org/wiki/Gemstone), [limestone](https://en.wikipedia.org/wiki/Limestone), [chalk](https://en.wikipedia.org/wiki/Chalk_mining), [dimension stone](https://en.wikipedia.org/wiki/Dimension_stone), [rock salt](https://en.wikipedia.org/wiki/Sodium_chloride), [potash](https://en.wikipedia.org/wiki/Potash), [gravel](https://en.wikipedia.org/wiki/Gravel), and [clay](https://en.wikipedia.org/wiki/Clay). Mining is required to obtain any material that cannot be grown through agricultural processes, or feasibly created [artificially](https://en.wikipedia.org/wiki/Chemical_synthesis) in a laboratory or factory. Mining in a wider sense includes extraction of any [non-renewable resource](https://en.wikipedia.org/wiki/Non-renewable_resource) such as petroleum, natural gas, or even [water](https://en.wikipedia.org/wiki/Fossil_water).

Gold mining is the process of mining of gold or gold ores from the ground. There are several techniques and processes by which gold may be extracted from the earth. Placer mining. Placer mining is the technique by which gold that has accumulated in a placer deposit is extracted.

**1.1 STATEMENT OF THE PROBLEM**

After studying and analyzing the current system, used employed at sham-land we found that there are problems and constraints in that method. The activities carried by the company is being performed manually, one of the problem is that the client must come down to the company to know whether is allocated to a particular project and also make the request for the equipment needed for the Gold manning extraction process, and they are using paper and biro for all their activities that can lead to the following problem as follows:

* Loss of files
* Delay in Delivery of Equipment to the client due to paper registration process or request
* Time wasting
* Inaccuracy

**1.2 AIMS AND OBJECTIVES**

This project is aim of designing an information system in which computer will be used to handle records in a data base (DB) of Sham -Land Gold Mining Service Limited. The objectives are to:

1. To develop a working interface for the employee of the company to perform their day to day activities.
2. Provide management with an up-to-date record on mining services and other records.
3. To develop a working interface for the client of the company to perform their activities.

**1.4 SIGNIFICANCE OF THE STUDY**

The significance of this research therefore lies in the fact that much effort is required and must be maintained in order to keep the organization moving. Thus, if the organization performed its role efficiency, there is the need to examine the impact of enhancing the mining service process to achieve goal for the organization.

This study is therefore carried out to take care of many organizational works in Sham Land Mining service Nigeria Limited for online process for the customers. Make the website more flexible and provide means of communication with administration that is handling the system. The system is capable of registering of customer and also display the report of the registered customer on the administration page, and also capable of deleting of unwanted registered customer.

**1.5 SCOPE AND LIMITATION OF THE STUDY**

The limitation of this project work is restricted or limited to Gold mining services in sham land and only cover two part, the employee and the client of the company.

The Gold Mining services system enables the users to have the typical order facilities and features at their disposal. It resolves typical issues of manual staffing process and activities into a controlled and closely monitored work flow in the architecture of the application. The multi-platform solution brings in by default, the basic intelligence and immense possibilities for further extension of the application as required by the user. The system makes it simpler to share and manage the organization’s human resources mining services with higher efficiency and easiness. The objective of this website is to serve as a common meeting ground for jobseekers and organization, both locally and globally. This kind of systems is specifically designed for organization to help in solving staffing problems and managing human resource department activities at high degree of optimization.

**1.6 STRUCTURE OF THE REPORT**

The overall structure of the report is as follows:

Chapter one: introduction, statement of the problem, aims and objectives of the study, scope and limitation of the study and significance of the study.

Chapter two: Literature Review of the study

Chapter three: Research methodology, system design, software and hardware requirement, functionality of the system, method used, and development tools.

Chapter four: implementation of the system and system testing.