

**STUDENT INDUSTRIAL WORK EXPERIENCE  
SCHEME (SIWES)**

**HELD AT  
HAVE SPRING PROPERTY LIMITED  
NO 14 INFINITY ESTATE AJAH,  
LAGOS STATE.**

**BY  
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ND/23/QTS/FT/0006**

**A SIWES REPORT SUBMITTED TO THE DEPARTMENT OF  
QUANTITY SURVEYING,  
INSTITUTE OF ENVIRONMENT STUDIES,  
KWARA STATE POLYTECHNIC.**

**IN PARTIAL FULFILMENT OF THE REQUIREMENTS FOR THE  
AWARD OF NATIONAL DIPLOMA (ND) IN QUANTITY SURVEYING**

**MARCH, 2024**

## **DECELERATION**

I, **AREMU BUKOLA ELIZABETH**, hereby declare that the report was written by me and is a record of all activities carried out during the SIWES period. All sources of information are clearly acknowledged by means of references.

Signature of Student.....

Date.....

## **CERTIFICATION**

I here certify that the content of this report are true and accurate project carried out during my student industrial work experience scheme (SIWES) with First Landmark Global Resource and submitted to the department of Quantity surveying KWARA STATE Polytechnic.

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**Surv.**

Departmental Coordinator

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**Sign/Date**

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**Surv.**

Head of Department

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**Sign/Date**

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Director of SIWES

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**Sign/Date**

## **DEDICATION**

This report is dedicated to Almighty God for his providence, kindness, guidance and protection in this course of my attachment both within and outside AJAH.

I also dedicate these pieces of my lovely parent Mr. & Mrs. Aremu, for their financial support during period of attachment.

## **ACKNOWLEDGEMENTS**

I wish to express my profound gratitude and appreciation to those who contribution indirectly or directly in making my Industrial Training possible and successful. I will like to use this medium to thank my parent for their unending financial and moral support, spiritually, financially and every aspect of my Endeavour. I consider the piece incomplete if I don't express my gratitude to Mrs. Sanni Munirat A., and all staff of Have Spring Property Limited my unalloyed indebtedness goes to the Mrs. Sanni Munirat A. the SIWES coordinator of Have Spring Property Limited, for wonderful training and project he involved me into.

A special way thanks the staff of the Department of Quatity surveying most especially our SIWES coordinator and HOD who prompted us into this program. God bless you all.

## **ABSTRACT**

The size of the Nigerian construction industry is relatively small as compared to other sectors of the economy. In 2008, the industry made up to 0.2% of the value of the global construction industry which was about \$3.15bn. It has also out grown some other sectors with an impressive percentage of 12.1% despite the fact that its growth is directly and indirectly linked to the government expenditure on infrastructure in 2005 (Dantata and Sowe, 2008). The quantity surveyors as a chartered professional are not left out in this trends of emerging development. The profession has evolved from been a craft to a well-respected profession today. The contribution and services offered by quantity surveyors in the construction processes are increasing rapidly in scope and size. The expectations chain of quantity surveyors has also increased in length as a result of introduction of modern technologies, complicated client, and emergence of new rules and regulations. Therefore, in order to remain active and maintain a competitive edge among other professionals, quantity surveyors need to diversify their contributions and services towards the success of any construction activities in the industry. My scope of knowledge has become wider as I came across most of the activities that were being taught in the classroom environment and in the construction textbooks at Have spring property Limited. I participated in many of the activities during my S.I.W.E.S training which cut across office activities and site activities. Office activities includes; preparation of material schedule, preparation of interim valuation, preparation of programme of work using Microsoft Project, preparation of rain chart, among others while site activities I observed includes; sand-filling, pile foundation construction (pile cap, ground beam and slab), pit excavation for services, Installation of mechanical and electrical pipes (MEP), site inspection as well as drawing interpretation. Hence, this report is the summary of the experience

and skills acquired. No part of this report is written without the knowledge of the industry based supervisor.

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## **CHAPTER ONE**

### **INTRODUCTION**

#### **1.0 BACKGROUND**

The student Industrial Work Experience Scheme (SIWES) is accepted technical training programme which forms part of the approved minimum academic standard in the various National Diploma programmes of Nigeria Polytechnic. It exposes student to instrument, professional work methods etc. It also aimed at helping the student in the Nigeria tertiary institution to practice the theoretical aspect of their field of study.

The students' word experience scheme (SIWES) is a very important part of my discipline. It opened the eyes of my understanding to the wonderful prospect and opportunities my profession has. It went a long way in exposing me to every sphere of life and practice of my profession. It is one of the requirements for award ND in surveying and geo informatics.

Like I said earlier, I did my Industrial training with **HAVE SPRING PROPERTY LIMITED, NO 14 INFINITY ESTATE AJAH, LAGOS STATE.**

#### **1.1 PURPOSE OF SIWES**

The objectives of student Industrial work experience scheme (SIWES) is to enable every student who pass through polytechnic and other institution to acquire a practical knowledge of what he/she has learned.

Therefore it is compulsory for every student to satisfy the requirement in his/her academic pursuit.

#### **1.2 AIM AND OBJECTIVE OF SIWES**

- 1 The provide an avenue for student in the polytechnic to acquire Industrial skill and experience in their course of study
- 2 To prepare student for the work situation they are likely to meet after graduation
- 3 To expose student to work method and technique in handling equipment and machinery they may not be available in the polytechnic.
- 4 To provide student an opportunity to apply their bridging and gap between higher education and actual practical.
- 5 Make transition from the polytechnic to the word of work easier and this enhance student contact for later job placement after graduation.
- 6 Enlist the strengthen employer's involvement in the entry educational process of preparing polytechnic & University graduate for employment in industry.

### **1.3 THE LOG BOOK**

The Log Book is designed to assist the student keep accurate record of his/her training during SIWES. It shows the department/section of the industry/company where the student has worked and the period in each department.

All daily activities must be well recorded by the student in the log book with neat diagram where necessary.

### **1.4 BRIEF HISTORY OF THE ORGANIZATION**

Have Spring Property Limited is a dynamic construction firm poised to providing all kinds of properties sales and buying as well as construction services to the general public and other interested parties to round the clock. The company is located at **NO 14 INFINITY ESTATE AJAH, LAGOS STATE.**

## **CHAPTER TWO**

### **RELEVANT EXPERIENCE AQUIRED IN THE ORGANIZATION**

In this chapter, different experience, skill and practices acquired in the student field of study was noted. It also consists of the operation and maintenance training receives and the specific work done.

#### **2.1 INTRODUCTION TO BASIC CONSTRUCTION DRAWING**

On my first day at work I was introduced to some basic construction drawings such as;

- Site Plan:
- Floor Plan:
- Cross Section:
- Elevation:
- Landscape:
- Finishing Drawing:
- Reflected Ceiling Drawing:
- Working Plan:

As it is known that basic construction drawing are the pictorial record of the official design for the building, and generally include detailed depictions of every element of the finished building including the foundation, floor, walls, elevations, interior details and elevations, cabinetry, MEP design, structural details, and ceiling plans.

I was also made to understand the basic element of construction drawing such as:

Construction drawings are made up of a variety of elements, including plans, elevations, sections, and structural drawings. These drawings are used to guide the construction of a building.

## **2.2 INTRODUCTION TO MICROSOFT WORD**

I was introduced to the Microsoft word in order to be able to undergo some office work and below are some of the undergone packages and software in was introduced to:

### **❖ CREATING A DOCUMENT**

When Microsoft word is started, a basic sheet of electronic paper is displayed on which you can type and text appear in the document and editing occurs.

### **❖ HOW TO SAVE A DOCUMENT**

Saving a document can be done in two ways:

To save a new document

- Click file from menu bar
- Click save as
- Type a file your document
- Click on save

To save subsequent document after the first saving

- Then Click file the menu bar
- Click save or use shortcut key from keyboard “ctrl s”

### ❖ **PRINTING OF FILE**

- Open the file you want to print
- Click file from the menu bar
- Select print from the file menu

### ❖ **TO CREATE TABLE**

- Position the cursor to where you want the table
- Click insert tab and click table button
- Select insert table from the dialog box.
- Type the number of column in the column box and the number of rows in the rows box
- Select the desired width for each column or select auto
- Click ok.

### ❖ **TO INSERT WORD ART**

- From the menu, click insert.
- Highlight function and click word art from the sub menu
- Select the desire word art and click it
- Type the text using the desired font and click ok.

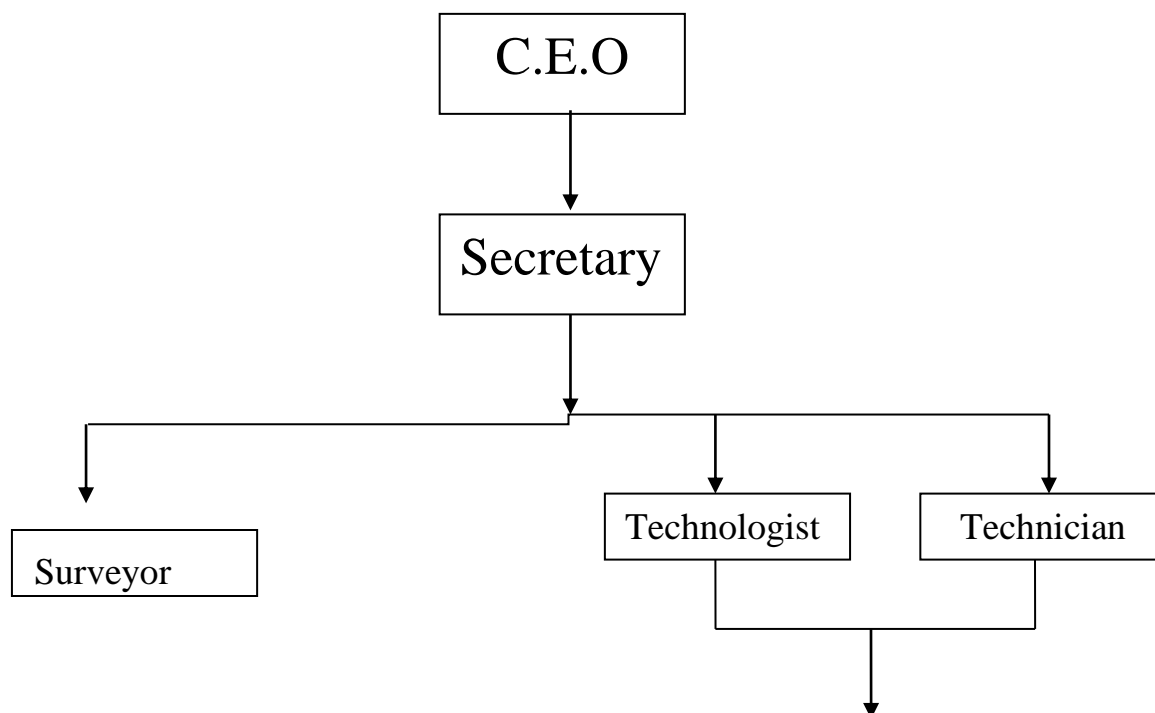
### ❖ **TO INSERT SYMBOL**

- Select insert from the main menu
- Select symbol from the sub menu
- Click the desired symbol
- Select close

## 2.2 SERVICE PROVIDED BY THE COMPANY INCLUDE

- GIS Service/Consultant
- Mapping and Design
- Surveying
- Construction
- Properties leasing and Sales

## 2.3 ORGANIZATION CHART



IT / SIWES Student



## **CHAPTER THREE**

### **CHANLLENGES AND PROBLEM ENCOUNTERED**

The challenges and problems that I encountered during my SIWES training in the organization were:

- The location of the organisation is too far from my area, which cost me a lot money and stress.
- No internet access to siwes student, which could have help me to make more research of what I been thought.
- The office space could not occupy all student at once, which make them to group us into batches..

## **CHAPTER FOUR**

### **4.1 TECHNICAL REPORT ON THE RELEVANT SOFTWARE USED AND WORK DONE DURING MY INDUSTRIAL TRAINING.**

#### **4.1.1 AUTOCAD LAND DEVELOPMENT AUTOCAD 2007**

Computer aid design (CAD) software used in carryout land related activities various surveys referencing of maps for developing layout jobs and engineering road worker.

#### **4.1.2 MICROSOFT EXCEL**

In surveying it is used for preparing scripts these script are run into Autocad for plotting. Also used in performing back computation in surveying

#### **4.1.3 MICROSOFT WORD**

They are used for preparing document like letter, pillar request bills etc

#### **4.1.4 GEOCAL (GEOGRAPHICAL CALCULATOR)**

It is used to covert from one coordinate system to another e.g NNO to UTM and to determine the bearing and distance, Area computation and lot more.

#### **4.1.5 BLUEBEAM**

Bluebeam is a software program used in construction to manage documents, drawings, and files. It helps contractors, architects, and engineers collaborate on projects in real time.

## **CHAPTER FIVE**

### **5.0 KNOWLEDGE GAIN DURING THE SIWES**

The four (4) months students industrial work experience scheme in Have Spring property limited expose me to know more in practical knowledge of geographic information system (GIS) software such as Microsoft Word, Microsoft Excel, Arc view, Bluebeam and compactable of AutoCAD in geographic research, reviewed construction standards and codes relevant to a current project to understanding the project applications and also got exposed to how to prepare a simple schedule of materials required for small project

I also know more about the instrument used in surveying and how there are used like total station and handy G.P.S and I get know more about demarcation of property boundary with title which is called Cadastral surveying.

### **5.1 CONCLUSION**

One of the greatest periods in my ND program is my SIWES period which lasted for more than four month, the student industrial work experience was an interesting exercise and I advise to take it serious as it increase our horizon concerning profession. I was really exposed to various facts of my profession and a little on the terrain of information and technology.

I thank the federal Government for setting Up ITF to handle it and the various institutions for taking serious.

I was well equipped with essential tools and instrument as well as surveying and construction materials that I haven't heard of before which could aid me later in future as a Surveyor.

Am very much impressed about the operations they perform in the organization and I will be glad if the employees can still continue with their ideas, aims and objectives to take the organization to higher grade or level. The organization is unique and also well organized in their performances and some other operations, their workers are highly oriented through which they have skilled employees with good qualification, they handle their area of concentration perfectly without any obstacles.

## **5.2 RECOMMENDATION**

I humbly wish to recommend the following

- (a) To my department authorities that our student be trained and groomed well especially on practical aspect of our profession because industrial training is becoming a very competitive.
- (b) I also recommend that the government and the school authority should assist the student in securing a good place for their (SIWES) program, because some student found it difficult in securing a place.
- (c) In other to make the SIWES program easy student should look for interested place where their can gain more practical aspect of what they were taught in the class room.
- (d) I recommend that the (SIWES) program it continuity in all tertiary institution because it help so many student in practical aspect and academy performance as well as work experience.

## **REFERENCE**

Sanni Munirat A. (2024) Industrial training technical report writing Have spring property Limited LAGOS STATE.