

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

**HELD AT
DEOTTY CONSTRUCTION
NO 4 HAJI CAMP ROAD, ALONG GAA ODOTA ILORIN,
KWARA STATE.**

**BY
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ND/23/QTS/FT/0003**

**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, MOSES SAMOSON OLAMIDE, 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.

Surv.

Departmental Coordinator

Sign/Date

Surv.

Head of Department

Sign/Date

Director of SIWES

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 Akure.

I also dedicate these pieces of my lovely parent Mr. & Mrs. Moses, 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 Mr. Olayinka A., and all staff of Deotty construction my unalloyed indebtedness goes to the Mr. Olayinka A. the director of Deotty Construction, 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

This is the report of training receive at DEOTTY CONSTRUCTION. Everything contain in the report are based on both practical and theoretical training received at DEOTTY CONSTRUCTION, during the program which includes property survey of various plots, AutoCAD plotting. No part of this report is written without the knowledge of the industry based supervisor.

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CHAPTER ONE

1.0 INTRODUCTION

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' work 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 **DEOTY CONSTRUCTION NO 4 Haji camp road, along gaa odota Ilorin, Kwara 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.

1.3 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.

1.4 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.

CHAPTER TWO

2.0 BRIEF HISTORY OF THE ORGANIZATION

Doety construction is a dynamic construction firm poised to providing G.I.S services to round the clock. The company is located at **NO 4 HAJI CAMP ROAD, ALONG GAA ODOTA ILORIN, KWARA STATE.**

2.1 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 FORMAT A TEXT

Formatting is when you want to change the characters of your text such a font type, size and the thickness. Color or the position which could be superscript or subscript does as following.

- Step 1 Highlight the, it is compulsory to highlight the text you want to modify either by the mouse or keyboard before the operation.
- Step 2 click format

- Step 3 click font

❖ **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

❖ **SPELLING AND GRAMMER CHECKING**

- At the beginning of the document click review tab
- Select spelling and grammar from the proofing

- Select the correct word from the suggestion list bar
- Click change.

❖ **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.

❖ **EXISTING MICROSOFT WORD**

- Select the file command from the main menu
- Select exit and click it take you back to the window menu

❖ **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

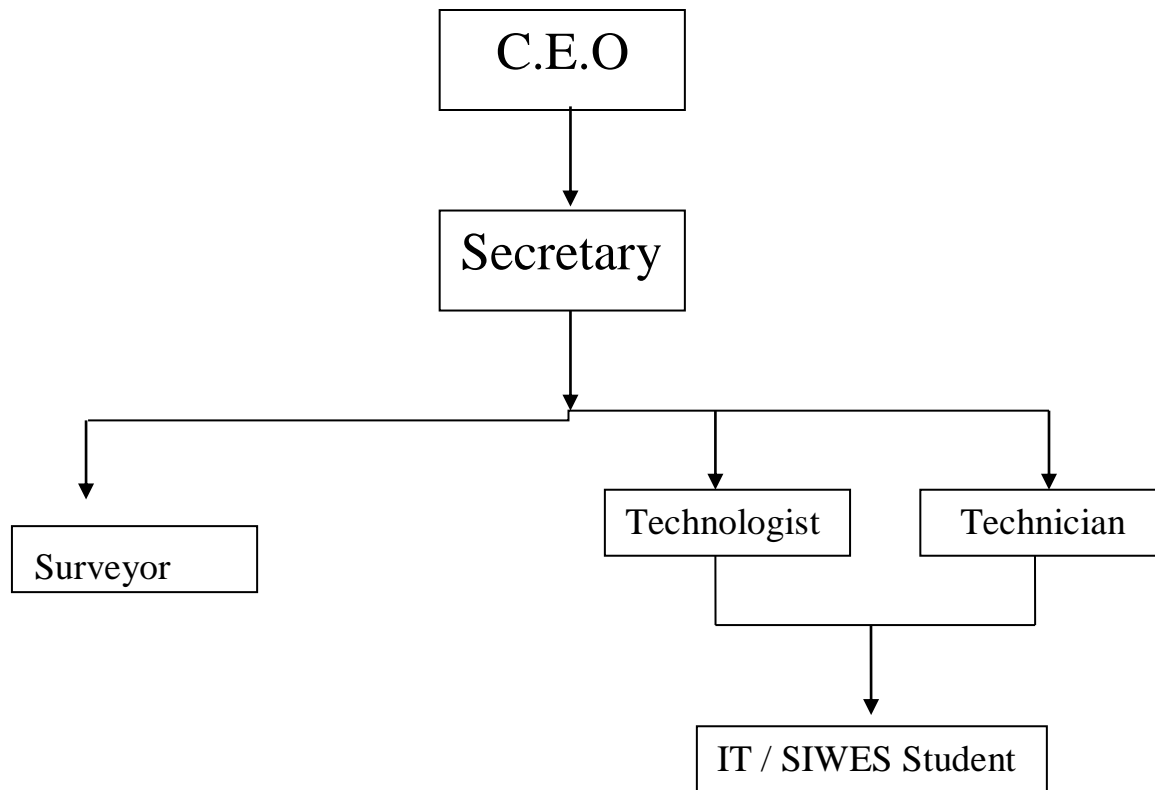
❖ **STEPS REQUIRE TO ACTIVATE MICROSOFT WORD**

- Step 1 Boot the system (as state above)
- Step 2 Click start button (or press window on keyboard)
- Step 3 Click on all program
- Step 4 Click on Microsoft office (from the program submenus)
- Step 5 point Microsoft word

2.2 SERVICE PROVIDED BY THE COMPANY INCLUDE

- GIS Service/Consultant
- Mapping and Design
- Surveying
- Construction

2.3 ORGANIZATION CHART



CHAPTER THREE

3.0 MAJOR ACTIVITIES DURING SIWES

- Property survey (Cadastral Surveying)
- AutoCAD Software and Relevant Application used in surveying

3.1 TECHNICAL REPORT ON PROPERTY SURVEY FOR MR BELLA HOUSE

Off Old Eid Road Ilorin Kwara State.

3.1.2 AIM

The aim of this project was to transverse the plots of land of Mr BELLA for right of ownership/residential purpose.

3.1.3 DATE OF SURVEY

This survey was carried out on 4th November 2024

Survey Team/Personnel

- Surv.Olayinka Aforigun (DEOTY CONSTRUCTION)
- Moses Samson Alabi (SIWES STUDENT)
- Mr. Afolabi Olorunfemi
- Mr. Timileyin Akerele
- Mr. Seyi Olowookere
- Mr. Seyi Omosebi

3.1.4 LOGISITIC / INSTRUMENT USED

- 1Unit South G.P.S RTK equipment
- Data logger
- Linen Tape
- Cutlass
- Trowel/Cement/Sand
- G.P.S Ranging Poles

3.1.5 SOFTWARE EMPLOYED

Database Logger

Microsoft Excel

AutoCAD 20017

Notepad

3.1.6 METHODOLOGY

Recce -

Prior to the commencement of any job a surveyor goes to area in question in order to ascertain the size of the parcel of land to enable the surveying evaluate the cost operation the number of available control at the area of survey etc.

There would also be the need for insitu check this is tested on the control to determine their stability. The procedure is setting on one of the control and back sighting on an existing control to determine the angle between two lines for comparison with an existing coordinate which will be taken by the surveyor to the field.

3.1.7 PLOTTING

The next day in the office we did the downloading to the system and the post processing of the South G.PS RTK collected data using Microsoft Excel software (Software used in processing data required by South GPS equipment) and manually plotted in AutoCAD after preparing the coordinates in a spread sheet. Then printed the job with our HP DeskJet printer.

3.1.8 COLLECTION OF PILLAR NUMBERS AND NUMBERING

The next day in the office we did the pillar request for pillar number and take the request to NIS secretariat were we submitted the request and payment slip and we are given back the request and receipt which was taken to the ministry of work land housing for Approval and later take it to the SURCON office were we

are given the numbers for the pillar surveyed at the following day embarked our journey to the site where we did the numbering started from the orientation SC/OD/AV5754AB to SC/OD/AV5758AB all together we are given pillar numbers

3.1.9 PROBLEM ENCOUNTERED

There was no problem encountered in the observation and beacon of pillar went on smoothly with issues from any angle.

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 SOUTH GPS SOFTWARE

This software used in processing data acquired by South G.P.S

4.1.6 NOTE PAD

It is used for Typing co-ordinate before inserting it into the AutoCAD software.

4.1.7 P.O.P INSTALLATION

Pop ceiling is one of many types of ceilings we have in the construction industry. The Plaster of Paris is unique in its own way and many house owners prefer it to other ceiling types. The ceiling is in two stages basically: molding and installation.

In the course of my stay, I was introduced to P.O.P installation of some clients of the company in which I also got the knowledge of how it's been done.

4.1.8 WALL SCREEDING

Screeding is the coating laid on floors to receive finishes like tiles, carpet, and marble.

Wall screeding, often referred to as wall skimming, is the process of applying a smooth, even layer of mortar or plaster to the walls and ceilings of a building.

4.1.9 PREPARATION OF BILL OF QUANTITY

A bill of quantities (commonly known as BOQ or BQ) is a document prepared by a quantity surveyor or cost consultant to define the quality and quantity of works required to be carried out by the main contractor to complete a project.

How to Prepare a Bill of Quantities

1. Step 1: Prepare Your Spreadsheet. To create a bill of quantities, you will need to collect the project data. ...
2. Step 2: Material Breakdown. ...
3. Step 3: Estimation of Labor. ...
4. Step 4: Make an Initial Cost Estimate. ...
5. Step 5: Approximate Time Delivery. ...
6. Step 6: Make Good Use of BOQ in Your Project.

In the course of my stay we prepare some BOQ for clients residential building Plan.

CHAPTER FIVE

5.0 KNOWLEDGE GAIN DURING THE SIWES

The four (4) months students industrial work experience scheme in Doety Construction expose me to know more in practical knowledge of geographic information system (GIS) software such as Microsoft Word, Microsoft Excel, Arc view and compactable of AutoCAD in geographic research, introduction to how bill of quantity is been prepared, Wall screeding and plastering, installation of wire socket switch, construction chamber and laying of pipes, market survey and P.O.P installation.

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.

CHAPTER SIX

6.1 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.

6.2 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

Autocad Tutorial manual (2007)

Zaharaddeen Isah (2010) Technical Report writing Kaduna State University
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Olayinka AFAGUN (2024) Industrial training technical report writing Deotty
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