



TECHNICAL REPORT
ON
STUDENTS INDUSTRIAL WORK EXPERIENCE SCHEME (SIWES)

Held At

AJEROMI-IFELODUN LOCAL GOVERNMENT
NO 1, BAALE STREET, AJEGUNLE, LAGOS STATE

BY

OGUNYOMI IDOWU NOAH
ND/23/ETM/FT/0006

SUBMITTED TO:
ESTATE MANAGEMENT AND VALUATION DEPARTMENT,
INSTITUTE OF ENVIRONMENTAL STUDIES (I.E.S), KWARA
STATE POLYTECHNIC, ILORIN, KWARA STATE.

DEDICATION

I dedicated this report to Almighty Allah, the Alpha and Omega, the founder of everything.

And also to my parents' **MR. AND MRS. OGUNYOMI** who happens to be the strong foundation of my academic journey.

ACKNOWLEDGEMENT

All thanks to Allah for making this SIWES a reality. My profound gratitude goes to the Head of Estate Management and Valuation Department, (**MRS. ABDULKAREEM R.A.**), Kwara State Polytechnic, Ilorin, Kwara State for his word of advice.

I wish to express my sincere appreciation to some of my lecturers, for the great wisdom and knowledge impacted in me.

I also used this medium to appreciate the support of my parents, **MR. AND MRS. OGUNYOMI** for their physical, moral, spiritual and financial supports that was given to me during the course of my SIWES programme.

My appreciation will not be completed if I fail to appreciate my SIWES based-coordinator SIWES based-supervisor other staff in the organization.

ABSTRACT

This report gives the account of the training I undergone at Ajeromi-Ifelodun Local Government, Lagos State, Nigeria. It includes all the experience I acquired during the course of my SIWES at the Organization.

TABLE OF CONTENTS

Dedication

Acknowledgement

Abstract

CHAPTER ONE

Introduction

Meaning and Objective of SIWES

History of SIWES in Nigeria

CHAPTER TWO

Overview of the Organization

Brief History of the Organization

Organizational Chart of the Organization

Service Rendered on the Organization

CHAPTER THREE

Description of the work-done during the SIWES

General Experience acquired during SIWES

Problems/challenges/Obstacles encountered during SIWES

CHAPTER FOUR

Conclusion

Recommendation

References

CHAPTER ONE

INTRODUCTION

Students Industrial Work Experience Scheme (SIWES) is a very big aid and a stepping stone to life after school. It is an opportunity given to students to put into practice most of the things that were taught as theory by lecturers in the Institution.

Ajeromi-Ifelodun Local Government, has been a great aid to this programme because it gives more enlightenment on what surveying is all about. As a result of this, SIWES gives students more orientation and exposure to students in their course of training.

MEANING OF SIWES

Students Industrial Work Experience Scheme (SIWES) is the accepted skills training programme, which forms part of the approved minimum academic standards in the various degree programmes for all the Nigerian Universities. It is provided to bridge the gap that exists between the theory and practical.

It is aimed that exposing students to machines and equipment, professional work methods and way of safeguarding the work areas and workers in industries and other organizations.

OBJECTIVE OF SIWES

- To prepare students for the work situations they are likely to meet after graduation
- To provide an avenue for students in the Nigerian Institution to acquire industrial skills and experience in their course of study
- To strengthen employer's involvement in the entire educational process of preparing institution graduates for employment in industry
- To provide students with an opportunity to apply their theoretical knowledge in real work situation, thereby bringing the gap between institution work and actual practice.

- To expose students to work methods and techniques in handling equipment and machinery that they may not available in universities.

HISTORY OF SIWES IN NIGERIA

In the earlier stage of science and technology education in Nigeria, students were graduating from their respective institution without any technical knowledge or working experience. It was in this view that students undergoing science and technology related courses were mandated for students in different institution in the view of widening their horizons so as to enable them have technical knowledge or working experience before graduating from their various institutions. The Students Industrial Training Funds (ITF) 1973 to enable students of tertiary institutions have basic knowledge of industrial works base on their course of study before the completion of their program in their respective institutions. The scheme was designed to expose the students to industrial environment and enable them develop occupational competencies so that they can readily contribute their quota to National economic and technological development after graduation.

The major background behind the embankment of students in SIWES was to expose them into industrial environment and enable them develop occupational competencies so that they can readily contribute their quota to national economical and technological development after graduation. The major benefit acquiring to students who participate consistently in SIWES are skills and competencies they acquired.

The relevant production skill remain the part of the recipients of industrial training as long as assets which cannot be taken away from them. This is because the knowledge and skills acquired through training are internalized and become relevant when required to perform jobs or functions.

CHAPTER TWO

OVERVIEW OF KWARA STATE GEOGRAPHIC INFORMATION SERVICE

Ajeromi-Ifelodun Local Government has been a great assets to this programme because it gives more enlightenment and practical aspect of what surveying as a course is really up to. It gives students more practical aspects of what Geo- informatics is all about. As a result of this, SIWES gives students more orientation and exposure to students in their course of training.

The office of the surveyor General of Kwara State is a multi-disciplinary establishment comprising of professionals and technical staff in surveying, Geo-informatics, photogrammetry, cartography, printing, photography, carpentry and electrical works. It is responsible for the formulation or execution of policies and projects of the state on issues relating to surveying, mapping, geo-spatial information and General Land Administration and Management.

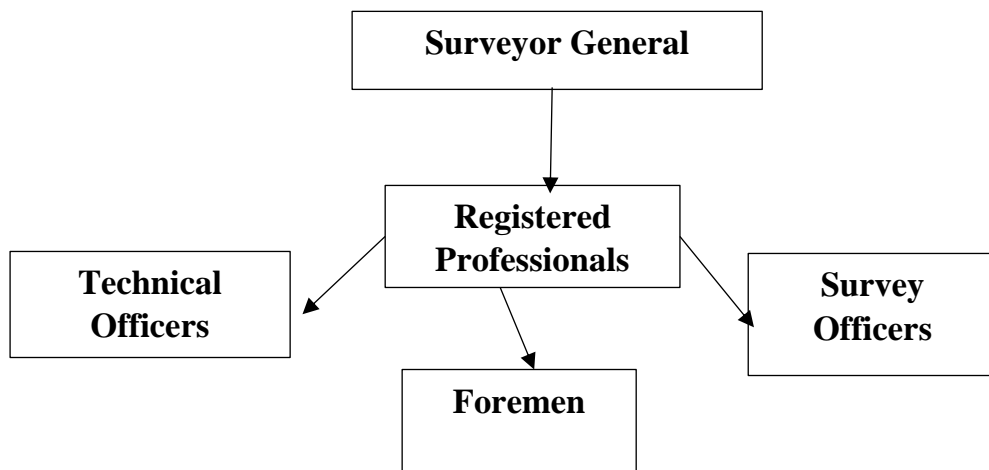
BRIEF HISTORY OF THE ORGANIZATION

Ajeromi-Ifelodun is a Local Government Area in Badagry Division, Lagos State. It has some 80,000 inhabitants per square kilometer, among if not the world's densest. Ajeromi Ifelodun accommodates various ethnic groups, with the Yoruba tribe prevailing. The predominant religions are Christianity and Islam, and the commonly spoken languages are Yoruba and English. Ajeromi-Ifelodun was Established on October 1, 1976, it derives its name from two notable towns within its confines, namely Ajeromi and Ifelodun. The local government area spans approximately 12.4 square kilometers and accommodates a population exceeding 800,000 individuals, as per the 2006 census.

Towns, Areas under Ajeromi Ifelodun Local Government Area:

- Ashafa
- Awodi
- Ajegunle
- Aiyetoro Ajeromi
- Araromi Ajeromi
- Cardoso
- Orodu
- Temidire
- Onibaba
- Layeni
- Tolu

ORGANOGRAM OF THE ORGANIZATION



SERVICES PROVIDED BY THE ORGANIZATION:

- Site preparation
- Construction works
- Painting
- Carpentry
- Electrical work
- Scrapping of walls for painting work

CHAPTER THREE

DESCRIPTION OF WORK DONE

During my first week of resumption as a SIWES student, I learnt how to carry out feasibility study on building and also carry out market survey. I learnt how to prepare the bill of quantities for the job. Hiring of scaffold and deliver to site. I was part of the members that coordinated the setting up of scaffold round the perimeter of the building.

We ensure that the scaffold is properly set up, obtained permit to work from the site before work commenced. And also monitor the scapping of walls, controlling the patching and filling of holes. Scapping, filling and patching of holes completed.

Screening of front and back view with pop materials continuation of front and back view lasted for days. Both side views screening commenced, additional three days was used for screening of both side view, mentioned the application of emulsion paint on scinded wall and the application of gloss paint on needed coordinated the dismointing of scaffold after work has been completed.

Site inspection and investigation to know the extent of work, prepared construction details drawing, prepared cost estimate for the road, redesigned because of the financial implication in order to minimize cost. We went for another inspection and survey level of the site and we prepared another cost estimate.

Set up site store, take delivery of materials on site, mobilized excavation machines to site, coordinated the excavation work. Marvel trimming and cutting to require depth and weight, it winded pump out water from trench 50mm blind in trenches.

Coordinated the reinforcement work, monitored the framing of plywood to form work. I also coordinated the arrangement of reinforcement and also coordinated casting 100mm drainage floor in concrete mixed ratio 1:3:6. Erection of form work in the drainage, casting of drainage work.

We also strike out form work and coordinated the excavation of the side drain. Manual trimming and cutting could require depth and width. We also coordinated building of the trench based with 50mm thickness, contracted arrangement of reinforcement for drainage wall and also cast the arrange reinforcement as drainage floor.

Erection of form work for casting of drainage wall, monitored the casting of drainage wall. After crawling form work is strike out, erection of form work for drainage cover. And also coordinated the reinforcement of drainage cover which makes the reinforcement work continue.

I also learnt about the casting of drainage cover in concrete mixed ratio 1:2:4, mobilized for grader to site. Also coordinated the scarification of top soil on the road. Cart away of lose soil and the debris on the road. Crush stone supply to site, and then the commencement of site work took place.

Grading of the road with crush stone started, wet and roll with mechanical roller, sharp sand was supplied to site and delivery of interlocking stone to site, grading of the sharp sand to receive interlocking stone. Cultivation of setting of interlocking stone, completion of interlocking stone setting.

Compacting the road with mechanical roller, directed the dusting of the road with sharp sand to lock the fees of the interlocking stone. Mobilized of asphalt after two days asphalt was delivered to site. We also monitored the levelling of the gap of interlocking stone, monitored paint of kerb which lasted the first day, two days of monitoring painting of kerb.

Site clearing and cleaning for missionary. Kerb setting, the filling of compound level. Compacting of the filling, planting of grass and green area. Sand bid was applied to areas that will required interlocking stone. Kerb laying, monitored the permenting of to the completion. Kerb installation was completed and painting of kerb, compilation of progress report and final account was submitted for review.

Plumbing work began, control the mechanical and electrical installation, plumbing work completed, coordinated completion of installation, directed the fixing aluminium windows, this could be between clients and contractor to change in price of materials to stop work. Directed, scrapping the wall surface, filling the patching of hole, application of anti-cracks statement, painting of internal wall started, completion of internal wall, compilation of progress report.

TECHNICAL SKILLS ACQUIRED

Below are list of skills I acquired during my **Student Industrial Work Experience Scheme** at Kwara State Geographic Information Service (KW-GIS)

Deep knowledge in understanding surveying and Geo-informatics.

- Ability to convert meters to feet
- Ability to make stone interlocks.
- Ability to make paint building.
- Ability to work with supervision team on the compilation of the work.
- Learning how to use scrap the wall and application of emulsion paint.

SOCIAL AND FUNCTIONAL SKILLS ACQUIRED

- ✓ Enhanced communication skills.
- ✓ Ability to identify and solve problems relating to building and site preparation
- ✓ Decision making critical thinking, organizing and planning.
- ✓ Ability to work with super team.
- ✓ Enhanced teaching and effective learning skills.
- ✓ Good mapping orientation skill

PERSONAL INPUT TO THE ORGANIZATION

- Teaching and assisting students (Clients) through their lessons.
- Assist co-member on the ongoing site work.
- Running of errands to boost activities in the workplace.
- Check and work with colleague's when challenges occurs.
- Help in arrangement and mapping out land for site preparation.

CHALLENGES ENCOUNTERED

- ❖ Difficulty in seeking for SIWES attachment
- ❖ Lack of transportation fee.
- ❖ I was not paid either by SIWES or the place of my attachment.
- ❖ There are no standard equipment's for learning and practical.
- ❖ The company lacks proper SIWES orientation on how to train student.

CHAPTER FOUR

CONCLUSION AND RECOMMENDATIONS

CONCLUSION

My three (3) months Student Industrial Work Experienced Scheme at **AJEROMI-IFELODUN LOCAL GOVERNMENT** was a huge success and a great time of acquisition of knowledge and skills. Through my training I was able to appreciate my chosen course of study even more, because I had the opportunity to blend the theoretical knowledge acquired from school with the practical hands-on application of knowledge gained here to perform very important tasks that contributed in a way to my productivity in the company.

My training here has given me a broader view to the importance and relevance of surveying in the immediate society and the world as a whole, as I now look forward to impacting it positively after graduation, I have also been able to improve my communication and presentation skills and thereby developed good relationship with my fellow colleagues at work. I have also been able to appreciate the connection between my course of study and other disciplines in production a successful result.

RECOMMENDATIONS

- School should provide a place of attachment for student
- Allowances should be paid to students during their programme just like NYSC and not after. This would help them a great deal to handle some financial problems during their training course.
- Supervisor should always visit student weekly in their various places of attachment.

REFERENCE

PAPER WORK

- Student industrial work experienced scheme 2020/2021 handbook
- Surveying and geo-informatics manual by industrial supervisor

LINK

- <http://www.w3schools.com>