



A TECHNICAL REPORT ON
STUDENT INDUSTRIAL WORK EXPERIENCE SCHEME (SIWES)

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DEDICATION

This report is dedicated to Almighty God, the Supreme Being and also to my loving parents, Mr. & Mrs. Olawuyi

ACKNOWLEDGEMENT

Firstly, with every sense of humility, I give my sincere appreciation to Almighty God from whom all knowledge, wisdom and intelligence are given to humanity for making it possible for me to accomplish my SIWES programme.

Education is an instrument of change, for human emancipation from ignorance, superstition and enslavement. My parents made sure they planted this in me. I am grateful to my parents, **Mr.** and **Mrs. Olawuyi** for their love, care, encouragement and financial support. I pray that Almighty God will grant them long life and hearty health to reap the fruit of their labour.

Words alone cannot express my enthusiasm to my SIWES supervisor and departmental lecturers for their parental advice and tutelage. May God almighty continue to bless you all?

FOREWORD

This report contains all the work done and the experience gained during my four months of industrial programme which I had at **MINISTRY OF LAND AND PHYSICAL PLANNING** in State Secretariat, Gbongan Road, Osogbo, Osun State and it is written in chapters according to how the training goes.

The five chapters report is arranged as follow. Chapter one unveils a brief background of the advent of **SIWES** programme into Nigeria tertiary institution academic calendar. Chapter two reveals the major sections and units in the host organization and student's specific involvement in the organization during training. Chapter four elucidates on work done by the intern in the organization, the relevance of the experience gained in the Ministry of Housing and Urban development

The last chapter of the report elucidates on conclusion, recommendation and suggestion for institution and organization.

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CHAPTER ONE

1.0 INTRODUCTION

This chapter gives a brief history of SIWES, its aims and objectives, as well as a short narrative on my application and posting. It also introduces intelligent solution providers (ISP) of Computer, where I had my SIWES training.

1.1 ABOUT STUDENTS INDUSTRIAL WORK EXPERIENCE SCHEME

The student work experience scheme (SIWES) is a worldwide program practiced in countries like Japan, Australia, USA, Europe, and in African countries too. It is popularly known as co-operative education and referred to as sandwich in Europe. It is a six (6) months students industrial work experience scheme (SIWES) taken in the third year of the degree program, where the students go to various establishments related to their course of study.

The program was initially introduced in Nigeria by the Industrial Training Fund (I.T.F.) which was established under Decree 47 of 1972 by the Supreme Military Council, headed by General Yakubu Gowon. The Decree was billed to take effect from 31st March, 1974 and had as its core objective, the gradual reduction of the percentage of foreign participation in most of Nigeria's economic activities, accompanied by a systematic cooperation of locally oriented skilled manpower into the vast economic sector.

One of the key functions of the ITF is to work as cooperative body with industry and commerce where students in institutions of higher learning can undertake mid-career work experience attachment in industries which are compatible with student's area of study. The students Industrial Work Experience Scheme (SIWES) is a skill Training program designed to expose and prepare students for the Industrial work situation which they are likely to meet after graduation. Participation in SIWES has become a necessary pre-condition for the award of diploma and degree certificate in specific disciplines in most institutions of higher learning in the country in accordance with the education policy of government.

1.2 BRIEF HISTORY OF SIWES

The word SIWES (Student Industrial Work Experience Scheme) was introduced by the federal government in the year 1973 to develop the technological, physical and social skill of our nation, through this, adequate and intelligent students are provided the department involved the actual challenge various disciplines before they can be awarded as a National Diploma (ND) graduate.

1.3 AIMS AND OBJECTIVES OF SIWES

- Provide an avenue for students in institutions of higher learning to acquire industrial skills and experience in their approved course of study and also by interacting with people with more experience in the field under consideration.
- Prepare students for the industrial work situation which they are likely to meet after graduation.
- Expose students to work methods and techniques in handling equipment and machinery that are mostly not available in their various institutions.
- Provide students with an opportunity to apply their knowledge in real world situation thereby reducing the gap between theoretical knowledge and practical work.
- Enlist and strengthen employers' involvement in the entire educational process and prepare students for employment in Industry and Commerce.

1.4 ROLES OF STUDENT

- Attend SIWES orientation programme before going on attachment.
- Comply with the establishment's rule and regulation.
- Arrange living accommodation during the period of attachment.
- Record all training activity done and other assignment in the log book.
- Complete SPEI from ITF, FORM 8 and get it endorsed by the employer for submission to the ITF.

1.5 OBJECTIVES OF THE REPORT

The objectives of the SIWES report are;

- To make through explanation of the work done during my four month industrial training.
- To fulfill the requirement for national diploma in computer science.
- To contribute to the body of knowledge and to enhance the understanding of the writer about a similar or same job.

1.6 THE LOGBOOK

The logbook issued to student on attachment by the institution was used to record all daily activities that took place during the period of attachment, and it was checked and endorse by the industry based/institution based supervisors and ITF during supervision.

CHAPTER TWO

2.0 ORGANIZATIONS CHART OF MINISTRY OF LAND AND PHYSICAL PLANNING

Osun State Government: Commissioner for Lands and Physical Planning

- **Key Responsibilities:**

- **Land Use Planning:** Preparing master plans and land-use plans for the area.
- **Urban Renewal:** Designing and implementing urban renewal programs.
- **Building Approvals:** Approving survey and building plans, as well as private layouts.
- **Monitoring and Control:** Monitoring and controlling physical development to ensure compliance with regulations.
- **Land Transactions:** Processing applications for the Governor's consent for land transactions.

CHAPTER THREE

3.0 INTRODUCTION TO BUILDING

Week 1

Description of work done orientation and familiarization with office management

The use and purpose of file jacket in office

Assist in agreement of office document and furniture

Introduction to the ongoing renovation of working ministry of land and physical planning

Introduction to the ministry organization structure (department and unit)

Week 2

Dissing of ground floor of warehouse

Digging and pouring of concrete at Adeleke Estate

Erection of columns and setting of blocks

Setting of blocks and measurement of site

Casting of DPC columns and bridge supervision at okefia

Week 3

Renovation: laying of 400X400mm ceramic floor tiles with skirting

Laying of floor tiles, replacement of bad PVC ceiling and service repair of existing air-conditioning system

Floor tiling to veranda entrance steps, servicing and installation of air conditioning

Mending of wall cracks and preparation of wall surface painting

Week 4

Repair of leakage in flat roof at office

Internal painting office with paint adopting roller method tools used: scrapper, roller brush

Internal painting continues with part adopting roller method

Repair of existing electrical installation, replacement of electrical fitting

Repairing of existing air-conditioner and installation of new ones

Week 5

Disquisition on taking off for a soak away at GRA

Continuous of septic tank/soak away

Construction of septic tank/ soak away

Continuous on construction of septic tank/soak away

Week6

Excavation continues, laying of block wall continues, blinding continues

Laying of blocks continues, blinding continues, excavation continues

Off day due to rain flood

Excavation continues, laying of blocks continues, blinding continues

Laying of block work continues, blinding continues at oke offa

Week 7

Excavation continues receive block wal

Blinding of founding of foundation to receive block wall

Blinding of foundation to receive block wall

Blinding of foundation to receive block wall

Construction of block wall continues

Blinding of foundation to receive block wall

Construction of block wall

Construction of block wall

Week 8

Rendering of block wall continues

Casting of coping continues

SIWES REPORT

SIWES REPORT

Blinding continues

Public holiday

Laying of block wall continues

Rendering of block wall continues

Laying of block wall continues

Blinding continues

Form works for copping continues

Laying of block wall

Blinding continues

Week 9

Laying of block wall

Excavation for another section

Laying of block wall continues

Blinding continues

Casting of pillar, column, beam

Laying of block wall

Blinding

Week 10

Blinding of foundation to receive block wall

Laying of block wall

Casting of pillar, column, beam

Laying of block wall

Casting of pillar, column, beam

Laying of block wall

Casting of pillar, column, beam

Laying of block wall

Casting of pillar, column, beam

Laying of block wall

Week 11

Visitation to Asa- dam for physical measurement of the proposed perimeter fence with the use of google map

Visitation to water co- operation for condition assessment of the office

Visitation to new secretariat complex in company of staff to inspect the on- going perimeter fence construction

Assisting in the office for official assignment

Week 12

Installation of aluminum doors at the toilet main entrance

Setting up hand washing basins within the toilet area

Mounting aluminum glass panels at the entrance of the sport complex

Preparing and sealing cut sections for pipe installation followed by surface screeding

Week 13

Installation of 600×300mm ceramic wall tiles for toilet wall

Arrangement of the suspended ceiling [sypsum ceiling] in the interior part of the building

Tilling of the toilet wall of the office with selected 600×300mm ceramic wall tiles

Plastering of the edge of the aluminum window frame fitting to provide smooth finishes and edges

Week 14

Electrical wiring check and replacing of new outlets

Painting of interior walls in the reception area

Assembling and installing of office furniture

Week 15

Wall paneling with the use of ports boxes to make an entrance into the basketball court area

Fitting of led light into the suspended ceiling for illumination of the part of the building

Fitting of glasses [transparent] into the aluminum frame at entrance and windows

CHAPTER FOUR

4.0 RELEVANCE OF THE EXPERIENCE GAINED BY STUDENT DURING THE PROGRAMME

Without mincing fact, Student Industrial Work Experience Scheme (SIWES) sustains a great relevance for tertiary institution students during internship. Besides exposure to the technical Know-how of things are been done in industrial setting which far differs from what is being taught within the four walls of classroom. This will undoubtedly unravel completely or at least lessen the demarcation and prevailing contrast in terms of work force and output between industrial staff and newly employed graduates.

Unlike an intern, I was given a warm welcome on my first day at Ministry of Land and physical planning. This was followed by my introduction to other staff and orientation on the activities/ functions of the organization.

In sequel to that, I was also introduced to other departments' i.e Urban development, Regional Development, human resources department, and so on.

During my internship, I functioned relatively in some of the departments/units in the organization such that I was able to gather several Building technology related experiences which will abet my academic career and pursuit

CHALLENGES ENCOUNTERED

1. Financial scar
2. Starkness of industrial staff
3. Proximity of industrial location
4. Limited internship period

CHAPTER FIVE

5.0 CONCLUSION

The SIWES program expected to be undergone by all students in the school of applied science in all tertiary institution in Nigeria.

I therefore deeply appreciate the industrial training of my school (Kwara State Polytechnic, Ilorin) for involving themselves in such a worldwide program. The importance of this training cannot be over emphasized industrial training by some operations carried out during the program.

5.1 RECOMMENDATION

I like to use this medium to explore the federal Government at all stage to take this SIWES program more seriously seen by the students of applied science as a virtual improvement in future of technology in our nature.

Government should also ensure a proper supervision of SIWES student so that the purpose of the programme will be achieved.

The federal Government should make adequate provision in the annual budget for proper funding of SIWES in view of the potential of the scheme to contribute to enhancing the quality of the pool to technical skill available to the economy.

A comprehensive and detail directory of employer who accept students for SIWES is urgently required to facilitate placement of student in industry.

In order to guarantee quality assurance of institution and the ITF. The ITF should ensure that the backlog in payment of students allowance is cleared urgently to remove the negative image being created for SIWES.