



**TECHNICAL REPORT
ON
STUDENTS' INDUSTRIAL WORK EXPERIENCE
SCHEME (SIWES)**

**HELD AT
IBUKUN OLUWA CONSTRUCTION NIG ENTERPRISES
IKORODU, LAGOS STATE**

BY

**HADI ROQEEB OLOLADE
ND/23/BLD/FT/0062**

**SUBMITTED TO
THE DEPARTMENT OF BUILDING TECHNOLOGY,
INSTITUTE OF ENVIRONMENTAL STUDIES
KWARA STATE POLYTECHNIC, ILORIN
IN PARTIAL FULFILMENT OF THE REQUIREMENTS FOR
THE AWARD OF NATIONAL DIPLOMA IN BUILDING
TECHNOLOGY**

AUGUST – NOVEMBER, 2024

DEDICATION

This report is dedicated to the Almighty God, the giver and sustainer of life, for His unconditional love and mercy granted to me throughout the period of my Industrial Training.

ACKNOWLEDGEMENTS

I give thanks to Almighty God, who gave me the gift of life, and made everything possible.

.

TABLE OF CONTENTS

Title page

Certification

Dedication

Acknowledgements

CHAPTER ONE

1.0 About the Industrial Training Fund (I.T.F)

1.1 About SIWES

1.2 Scope

1.3 Aim and objective of S.I.W.E.S

CHAPTER TWO

DESCRIPTION OF THE ORGANIZATION

2.1 History of Ibukun Oluwa Construction Nig Enterprises

2.2 Organizational Structure

2.3 Functions and Services

CHAPTER THREE

TRAINING ACTIVITIES

3.1 Cutting of Wood

3.2 Smoothing of Wood

3.3 Nailing of Wood

3.4 Re-smoothing of Wood

3.5 Polishing and Drying of Wood

3.6 Other Related Activities

CHAPTER FOUR

OBSERVATIONS AND EXPERIENCE GAINED

CHAPTER FIVE

CONCLUSION AND RECOMMENDATIONS

5.1 Conclusion

5.2 Recommendations

CHAPTER ONE

1.0 About the Industrial Training Fund (I.T.F)

In October 1971, the federal government established the Industrial Training Fund (I.T.F). In its policy statement no.1 published in 1973, a clause was inserted dealing with the issue of practical skills among the locally trained professionals in the tertiary institutions especially the Universities of Technology, Monotechnics, Polytechnics, Colleges of Education and Technical Colleges. Section 15 of the policy statement states clearly that “Great emphasis will be placed on assisting certain products of the post-secondary school system to adapt or orientate easily to their possible post graduation job environments”, subsequently leading to the launch of a scheme know as the Student’s Industrial work Experience Scheme(SIWES).

The Students Industrial Work Experience Scheme (SIWES) is a skill acquisition and training program designed to expose students in higher institutions to the industrial work environment. Established by the Industrial Training Fund (ITF) in 1973, the program bridges the gap between theoretical knowledge acquired in the classroom and practical application in the industry. It is a mandatory requirement for students in science, engineering, technology, and related disciplines to gain hands-on experience in their respective fields.

The program typically spans 3 to 6 months, during which students are attached to reputable organizations in their area of study. It provides opportunities for students to understand real-world applications of their coursework and develop essential technical skills required for professional practice.

1.1 About SIWES

The S.I.W.E.S. was launched in 1973 by the Industrial Training Fund (I.T.F) as a programme designed to impart the undergraduate of the nation’s tertiary institutions studying various professional courses with the practical methods of performing professional functions to real life situations on site, in

the office or even the factory and how they apply themselves mentally, intellectually and physically in relation to what they have been taught in the classrooms theoretically. It works with the following professional bodies to function effectively across the tertiary institutions nationwide. These are the Nigeria University Commission (N.U.C), National Board for Technical Education (N.B.T.E.) and the National Commission for Colleges of Education (N.C.C.E.). Thus, equipping the students with the necessary skills and technical knowledge to make them highly competitive and professional individuals in the Labour Market

1.2 Scope

The scheme as conducted by the Industrial Training Fund (I.T.F) through their representative liaison units and offices situated within the various institution and in major cities or towns in Nigeria with the necessary industrial rudiments needed to corroborate, practicalize and then actualize the required technical knowledge. The Industrial Training experience not only puts them in real life situations but also exposes their practical knowledge of the course of study, consequently perfecting this knowledge thereby producing very competent and versatile professionals.

1.3 Aim and objective of S.I.W.E.S

The objectives of SIWES are as follows:

1. To expose students to practical and industrial environments, enabling them to gain hands-on experience in their field of study.
2. To complement the theoretical knowledge acquired in classrooms with practical skills.
3. To equip students with professional skills and ethical values necessary for successful integration into the workforce.
4. To familiarize students with modern laboratory equipment, techniques, and safety protocols.

5. To provide an opportunity for students to network and build relationships with industry professionals.
6. To encourage problem-solving and innovative thinking by engaging students in real-world challenges.

CHAPTER TWO

DESCRIPTION OF THE ORGANIZATION

2.1 History of Ibukun Oluwa Construction Nig Enterprises

Ibukun Oluwa Construction Nig Enterprises is a reputable construction company based in Lagos State. The company specializes in building construction, woodworks, and carpentry services. Over the years, it has contributed significantly to the construction industry by delivering quality projects.

2.2 Organizational Structure

The company is structured into different departments, including:

- Management
- Carpentry and Woodwork Section
- Site Supervision
- Procurement and Supply

2.3 Functions and Services

The company provides the following services:

- Residential and commercial building construction
- Carpentry and joinery
- Wood polishing and furniture making
- Renovation and maintenance services

CHAPTER THREE

TRAINING ACTIVITIES

During my SIWES, I was actively involved in various woodworking activities. These include:

3.1 Cutting of Wood

I learned how to measure and cut wood accurately using both hand and power tools. The process involves:

1. Measuring the wood using a measuring tape and marking gauge.
2. Marking the cut lines with a pencil and a straightedge.
3. Selecting the appropriate cutting tool (handsaw, circular saw, or jigsaw) based on the type and thickness of wood.
4. Carefully cutting along the marked lines to achieve precision.
5. Checking the accuracy of the cut using a try square before proceeding to the next stage.

3.2 Smoothing of Wood

I was trained to use sandpaper and smoothing machines to refine wood surfaces. The steps include:

1. Using a rough grit sandpaper to remove major imperfections.
2. Gradually transitioning to finer grit sandpaper for a smoother finish.
3. Using a smoothing plane or power planer to refine edges and surfaces.
4. Wiping off dust and debris to inspect the smoothness of the wood.

3.3 Nailing of Wood

I participated in assembling wooden structures by correctly positioning and nailing pieces together. This involved:

1. Arranging the wood pieces according to design specifications.
2. Holding them securely in place with clamps.
3. Using a hammer or nail gun to drive nails into the wood at strategic points.
4. Ensuring proper alignment and stability before proceeding.

3.4 Re-smoothing of Wood

After nailing, I refined the surfaces again to remove any imperfections introduced during assembly. The process included:

1. Inspecting joints and surfaces for rough edges.
2. Using sandpaper or a hand plane to smooth out any inconsistencies.
3. Cleaning the surface in preparation for polishing.

3.5 Polishing and Drying of Wood

Polishing enhances the aesthetic appeal and durability of wood. The steps involved:

1. Applying a wood primer to seal the surface.
2. Using a brush or spray gun to apply the first coat of polish.
3. Allowing the polish to dry completely before applying additional coats.
4. Buffing the surface with a soft cloth for a glossy finish.

3.6 Other Related Activities

I also engaged in:

- Site cleaning to ensure a safe working environment.
- Selecting appropriate materials based on project requirements.
- Assisting skilled workers in various construction tasks, such as measuring and cutting additional materials.

CHAPTER FOUR

OBSERVATIONS AND EXPERIENCE GAINED

Through this training, I gained practical knowledge in:

- **Woodworking techniques and material handling:** I learned how to properly measure, cut, and assemble wood components.
- **Safe usage of carpentry tools and equipment:** I became proficient in handling saws, planers, and nailing tools with proper safety precautions.
- **Precision and accuracy in measuring and cutting materials:** I improved my ability to execute measurements accurately, which is crucial in woodworking.
- **Teamwork and collaboration in a construction environment:** I worked alongside skilled professionals, enhancing my ability to communicate and collaborate effectively.
- **Time management and meeting deadlines in project execution:** I learned the importance of working efficiently to complete tasks within set deadlines while maintaining quality standards.

CHAPTER FIVE

CONCLUSION AND RECOMMENDATIONS

5.1 Conclusion

My SIWES experience at Ibukun Oluwa Construction Nig Enterprises was highly beneficial. I acquired hands-on skills in carpentry and construction, which will be valuable for my career in Building Technology. The training provided exposure to real-life work environments and helped me develop problem-solving abilities.

5.2 Recommendations

- The government should support SIWES programs by providing financial aid to students.
- More construction firms should be encouraged to accept students for training.
- Institutions should improve SIWES supervision to ensure students gain the necessary skills.