

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

**THE REPORT BASED ON THE EXPERIENCE
GAINED AT SYLKIRI ENTERPRISE**

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DEDICATION

This report of student industrial work experience scheme(SIWES) is dedicated to the almighty Allah subuhannah watahla who is my source and knowledge. May His name be glorified forever.

ACKNOWLEDGEMENT

I thank Almighty Allah all glory, honour and adoration for mercy received during the course of my study and when undergoing my Industrial Training(IT).

My appreciation also goes to my industrial based lecturer, whose accessibility, untiring effort, patients and guidance and suggestions fabulously contributed to the completion of this report, may Almighty Allah continue to guide and protect them and their family.

Finally, my appreciation goes to the General Manager for accepting me into the organization and support. May Almighty Allah be with him and his household.

REPORT OVERVIEW

This report was compiled from the activities carried out and experience gained during my 12 weeks industrial training undertaken at SYLIKIRI ENTERPRISE

This report discusses the actual work done and practical skills gained during the training period and justifying the relevance of scheme in equipping students with needed practical and technical competence to thrive in the real world .

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CHAPTER ONE

BRIEF HISTORY OF SIWES

Background

In the 1970s, the Nigerian government recognized the need to bridge the gap between theoretical knowledge acquired in schools and practical skills required in the industry.

Establishment

In 1973, the Industrial Training Fund (ITF) was established to provide practical training for students in tertiary institutions. The ITF launched the Students' Industrial Work Experience Scheme (SIWES) in 1974.

Objectives

The primary objectives of SIWES were:

1. To provide students with practical work experience.
2. To develop students' skills and competencies.
3. To enhance students' employability.
4. To foster collaboration between academia and industry.

Implementation

SIWES was initially implemented for students in technical and vocational fields. Over time, the program was expanded to include students from other disciplines, such as business, social sciences, and humanities.

Impact

SIWES has had a significant impact on the Nigerian education system and the labor market. The program has:

1. Enhanced students' employability.
2. Improved the quality of graduates.
3. Fostered collaboration between academia and industry.
4. Contributed to the development of the Nigerian economy.

Challenges

Despite its successes, SIWES faces several challenges, including:

1. Funding constraints.
2. Limited placement opportunities.
3. Inadequate supervision.
4. Poor attitude of some students.

Conclusion

SIWES has played a vital role in bridging the gap between theory and practice in Nigeria. While there are challenges to be addressed, the program remains an essential component of tertiary education in Nigeria.

CHAPTER TWO

BRIEF HISTORY OF SYLKIRI ENTERPRISE

Early Beginnings (1970s)

- 1.Establishment*: Sylkiri enterprise was established in the 1970s as a private owned enterprise, with the primary objective of providing ship repair and maintenance services for the Nigerian and west africa at large.
- 2.Initial Operations*: Sylkiri enterprise begin operations with basic facilities and equipment, providing routine maintenance and repair services for small vessels.

Expansion and Growth (1980s-1990s)

- 1.Modernization*: In the 1980s, Sylkiri enterprise underwent modernization, with the introduction of new equipment and technology to improve efficiency and capacity.
- 2.Expansion of Services*: The company expanded its services to include dry docking, hull repairs, and mechanical engineering services for larger vessels.
- 3.Increased Demand*: As Nigeria's industry grew, so did the demand for sylkiri services, leading to increased revenue and employment opportunities.

Challenges and Reforms (2000s-2010s)

- 1.Decline: Sylkiri enterprise faced challenges, including inadequate funding, outdated equipment, and inefficient management, leading to a decline in services and revenue.

2.Reforms: The new management implemented reforms, including investments in modern equipment and technology, to improve efficiency and competitiveness.

Current Status (2020s)

1.Modern Facilities: Sylkiri has modern facilities, including a 250-meter dry dock, a 150-meter repair berth, and state-of-the-art equipment.

2.Range of Services: This enterprise provides a range of services, including ship repair, maintenance, and conversion, as well as engineering and fabrication services.

3.Compliance with International Standards: Sylkiri enterprise complies with international standards and regulations, including those set by the International Maritime Organization (IMO) and the International Ship and Port Facility Security Code (ISPS).



CHAPTER THREE

Objectives

The objectives of this SIWES program were to:

1. Gain practical experience in vessel repair and maintenance.
2. Develop skills in troubleshooting and repair of vessel systems.
3. Understand the operations and management of a vessel and dry docking company.
4. Apply theoretical knowledge in a practical setting.

Methodology

I was attached to the repair and maintenance department of Sylkiri Enterprise, where I worked under the supervision of experienced engineer in the name of Mr Abiye T. My duties included:

1. Assisting in hull repairs and maintenance.
2. Participating in engine overhauling and maintenance.
3. Assisting in electrical system maintenance and repair.
4. Conducting routine inspections of vessel systems.



CHAPTER FOUR

Experience Gain

During my attachment, I gained technical experience in the following areas:

- 1.Hull repairs: I assisted in the repair of vessel hulls, including welding, cutting, and grinding.
- 2.Engine overhauling: I participated in the overhauling of vessel engines, including disassembly, inspection, and reassembly.
- 3.Electrical system maintenance: I assisted in the maintenance and repair of vessel electrical systems, including circuit breakers, motors, and generators.
- 4.Dry docking: I observed the dry docking process, including the preparation of vessels for dry docking, the dry docking process itself, and the launching of vessels after dry docking.

Achievements

During my attachment, I achieved the following:

1. Gained practical experience in vessel repair and maintenance.
2. Developed skills in troubleshooting and repair of vessel systems.
3. Understand the operations and management of a vessel and dry docking company.
4. Applied theoretical knowledge in a practical setting.

Challenges

I faced the following challenges during my attachment:

1. Limited resources and equipment.
 2. Difficulty in accessing some areas of the vessel.
 3. Time constraints in completing tasks.
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CHAPTER FOUR

Conclusion

My SIWES program at Sylkiri Enterprise was a valuable learning experience. I gained practical skills and knowledge in vessel repair and maintenance, and developed skills in troubleshooting and repair. I recommend that students should take advantage of SIWES programs to gain practical experience and develop their skills.

Recommendations

Based on my experience, I recommend the following:

1. The company should provide more resources and equipment for students on attachment.
 2. The company should provide more access to areas of the vessel for students on attachment.
 3. The company should provide more feedback and evaluation to students on attachment.
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