



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

**HELD @  
LOWER NIGER RIVER BASIN DEVELOPMENT AUTHORITY**

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## **DEDICATION**

This report is dedicated to Almighty GOD who guides me throughout the completion of my SIWES program and for his mercies, loving, kindness towards me and provision of life.

## **ACKNOWLEDMENT**

My praise goes to almighty God for his grace and mercy over my life, towards the success of my SIWES. And to my lecturers who guided me well diligently and to my entire staff in LOWER NIGER RIVER BASIN DEVELOPMENT AUTHORITY and my supervisor MR. Z MOHAMMED who have help me getting more about the profession thank you sir.

## **PREFACE**

This program, student industrial work experience scheme SIWES gives student technical fields of discipline, the opportunity of going out into the real world of works to replenish the theoretical experience they have gained at school with practical experience which can only be obtained by day working directly with those practicing it day by day.

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## **CHAPTER ONE**

### **1.0 INTRODUCTION**

Siwes simply means student industrial work experience scheme (siwe) and is the accepted, skills training programme which forms part of the approved minimum academic standards in the various degree programme for all the Nigeria universities. it is an effort to bridge the gap existing between theory and practical of engineering and technology, science, agriculture mechanic, management and other professional educational programme in nigeria tertiary institutions and the industry can (employ of laboring) it aimed at exposing, professional work methods and ways of safe guarding the work area and workers in industries and other organization. It is for mouths industrial attachment PROGRAMME for the time student in national diploma.

### **1.1 THE IMPORTANCE**

The student industrial work experience schemes (SIWES) is important in the science that it compliment with student theoretical experience gained if properly attended. Below are some of the importance of this program are:

1. The program gives student industrial work experience scheme (SIWES) student's technical field of discipline the opportunity they have gain at school with practicing night day by day.
2. It gives room for human relation and communication skill development which one needs in his her field.
3. It allows student to know the code of conducts i.e as stipulated by the government of the constitution of the organization
4. It serves as avenue for student to make use of the theoretical knowledge complement each

5. It gives confidence to student in the manipulative, coordination and technicality of their work especially in tasks involving engineering and machinery manipulation.

## **1.2 AIM AND OBJECTIVES OF SIWES**

Specifically, the objectives of the students industrial work experience scheme is to

1. Provide an avenue for students industrial work experience in their course of student.
2. To enhance students contacts for later job placement.
3. Provide student knowledge in real work situation, there by bridging the gap between institution work and actual practices.
4. Prepare students to be familiar with work method and techniques in handling equipment and machinery that may not be available in the institution.
5. Prepare students for the work situation they are likely for the work situation they are likely for the work situation they are likely to meet after graduation.

## **CHAPTER TWO**

### **2.0 HISTORY OF LOWER NIGER RIVER BASIN DEVELOPMENT**

#### **AUTHORITY**

##### **HISTORICAL BACKGROUND**

The Lower Niger River Basin Development Authority, a Parastatal of the Federal Ministry of Water Resources was re-established in January, 1994 along with eleven other River Basin Development Authority to embark on, among other functions. The development of both surface and underground water resources potentials of the nation for multipurpose use but with particular emphasis on the development of irrigated agriculture.

The Lower Niger River Basin Development Authority has had a chequered history of merger and demerger since it was originally established in 1976 by Decree No. 25 under the name Niger River Basin Development Authority with it's headquarters in Ilorin. In 1984, the Authority was split into two, namely, the Upper Niger River Basin and Rural Development Authority and Rural Development Authority, with the headquarters in Minna, Niger State and Ilorin, Kwara State respectively.

In 1987, the Two autonomous among Authorities were again merged into one and was reverted to it's original name at Niger River Basin and Rural development Authority but with the headquarters moved to Minna, Niger State.

However in 1994, the Authority was once again reverted to the 1987 status as each Authority was granted autonomous with headquarters in Minna and Ilorin respectively.

#### **VISION**

To ensure effective and efficient implementation of the Nation's Water Resources Development Policies, through optimal exploitation, conservation and overall development of the nation's abundant surface and underground water resources potentials, with a view to improving the quality of life of every Nigerian particularly those within Lower Basin of the River Niger.



## **MISSION**

To serve as a viable and veritable implementing Agency of Government in the effective utilization of all the water resources potentials with the Lower Basin of the River Niger with a view to improving the quality of lives of the people in the areas through development of irrigation agronomy, milk and potable water supply and other water shed management project.

### **2.3 PROBLEM ENCOUNTERED DURING THE PROGRAMME**

1. The major problem I encountered was the problem of finance as I had to transport myself from home to the station and the organization did not pay IT student.
2. Another problem I encountered was that in the station, they see IT student as clerk thereby sending us on errands like buying food, washing plate, making tea for the staff and so on.
3. Another problem I encountered was that they are bias and underrate IT student as if they are not human being.

## **CHAPTER THREE**

### **3.0 DEPARTMENT IN LOWER NIGER RIVER BASIN DEVELOPMENT AUTHORITY**

**1. ENGINEERING DEPARTMENT :** Responsible for the design, construction, and maintenance of water infrastructure projects such as dams, irrigation systems, and flood control measures.

**2. AGRICULTURAL DEPARTMENT:** Focuses on the promotion of sustainable agricultural practices and the development of irrigation schemes for farmers.

**3. WATER RESOURCES DEPARTMENT:** Manages water distribution, monitoring water quality, and regulating water usage in the region.

**4. PLANNING AND DEVELOPMENT DEPARTMENT:** Handles planning, project development, and implementation of various initiatives for regional growth and environmental sustainability.

**5. ENVIRONMENTAL AND SOCIAL IMPACT DEPARTMENT:** Ensures that all projects comply with environmental regulations and assesses their social impact on local communities.

**6. RESEARCH AND DEVELOPMENT DEPARTMENT :** Conducts studies and research to innovate and improve water resource management, agriculture, and other development areas in the basin.

**7. FINANCE AND ACCOUNTS DEPARTMENT:** Manages the financial resources of the authority, including budgeting, accounting, and auditing functions.

**8. HUMAN RESOURCES DEPARTMENT:** Handles recruitment, staff training, and other human resources activities within the authority.

### **3.1 EXPERIENCE ACQUIRED DURING SIWES**

I started my SIWES training on 10th August, 2024. The day I started I and other it was introduced to the staff of AGRICULTURAL DEPARTMENT I was attached to my supervisor MR. Z. MOHAMMED he taught me a great thing I can never forget as this has greatly added a great value in my life, some of them are how to monitor farm .

Also he has trained me How to harvest maize and water the farm.

They also taught me how to do crop inspection and disease management in farm land

I learnt how to observe tomato plant as they need proper monitoring

I was taught how to clean poultry and how to feed layers and how to pack there eggs

I learnt how to applied fertilizer to the corn crop to promote healthy recommendedx spacing

## **CHAPTE FOUR**

### **4.1 SUMMARY**

The period of SIWES training as made it possible for the student to acquire the necessary fundamental experience the field of Agriculture..

### **4.2 RECOMMENDATION TO SIWES**

As matter of responsibilities the federal government to contribute, immensely to the upliftment of this programme by putting in place a considerable compensation for the student who embarked on this kind of stressful and dreary programme. The federal government has a lot of role to play in building up a brighter future (the next penetration) in order to maintain the peace and stability of the state.

Furthermore, a lot of task also lies on the school authority to the orientate and enlighten their student on the expected things they are going to face or encountering pleasantly or in the other hand when they got their various placement of works before the commencement of the programme.

### **4.3 CONCLUSION**

I am appealing to all institution that they should get their student involve in the SIWES programme because I believe that they can be able to know more about their profession and be able to relate with people anywhere they go for their programme because it will expose them to various technical aspect of their profession which may not be privilege to undergo in the institution.