



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

UNDERTAKEN AT
NIGERIAN TELEVISION AUTHORITY
Beside Shoprite, Ilorin, Kwara State

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CERTIFICATION

This is to certify that this report of SIWES program for the 2023/2024 session is written and submitted by **ASHIRU MUHIZAH AYOMIDE** with matriculation number **ND/23/MAC/PT/0118** to the department of Mass Communication, Kwara state Polytechnic, Ilorin.

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TABLE OF CONTENTS

TITLE PAGE	2
PREFACE	3
DEDICATION	4
ACKNOWLEDGEMENT	5
CHAPTER ONE	
1.1 Introduction to SIWES	6
1.2 History of SIWES	7
1.3 Aims and objectives of SIWES	8
CHAPTER TWO	
2.1 History of Nigerian Television Authority	9
2.2 Objectives of the establishment	10
2.3 Department/units in the establishment and their function	11
CHAPTER THREE	
3.1 Technical training experience/ work done	12-13
CHAPTER FOUR	
4.1 Executive summary	14
CHAPTER FIVE	
5.1 Challenges encountered	15
5.2 Recommendation	16

CHAPTER ONE

1.0.INTRODUCTION

1.1. MEANING OF SIWES

The Students' Industrial Work Experience Scheme (SIWES) is a program that is coordinated by the Industrial Training Fund (ITF), in conjunction with the National University Commission (NUC).

The SIWES program is designed to engage students in various degree programs in order to provide the student with practical experience in various fields of study and to expose them to actual working conditions.

This program involves the ITF, students and industries. It is meant to bridge the gap between theory and practical work, sharpen students' skills and understanding of actual work processes and also provide an avenue to acquire more knowledge.

The Student Industrial Work Experience Scheme [SIWES] is the accepted skill training program which forms part of approved medium academic standards in the various degrees program of the Nigeria tertiary institutions.

This scheme helps student in their various field to know or have knowledge and picture of what they have been studying in school which enable the student to practicalize the theoretical aspect of his profession. This scheme contributes largely to prepare the student for any future engagement exposing him to atmosphere of veracity and adaptation.

1.2. AIMS AND OBJECTIVE OF SIWES

Student industrial work experience scheme [SIWES] provide avenue for student to acquire industrial skill and experience in their approved course of study

Expose students to work methods and techniques in handling equipment and machinery that may not be available in their institutions;

Enlist and strengthen employers' involvement in the entire educational process through SIWES.

To provide opportunity for students to apply their knowledge in real work situation thereby bridging the gap between theory and practice.

To earnest placement and strengths employee's involvement in the education process of preparing student for employment in industries.

To ease the transition from school to the world of work and enhance students contact for later job.

1.3. HISTORY OF SIWES

The early phase of science and technology in Nigeria was characterized by the theoretical lectures in polytechnics and universities which have proven to be an ill method of teaching students in Universities and Polytechnics graduate with little or no technical experience in their course of study.

In the same vein, students' inability to contribute to the society in hampering the growth and development of our country it was in this view SIWES was introduced to the industrial and Education sector.

SIWES is the acronym for Student's Industrial Work Experience Scheme. SIWES was established in the year 1973 in order to improve the standard of Education in Nigeria.

SIWES was funded by ITF (Industrial Training Funds) during its early stage not until it was difficult to continue for economic stress: then the responsibility was shared between Industrial Training Funds (ITF) and the Federal Government.

SIWES is a scheme for the duration of sixteen weeks (4 months). SIWES is done after the first year in polytechnics (ND1) and done after second year or third year in University depending on the institution.

CHAPTER TWO

2.0.HISTORY OF NIGERIAN TELEVISION AUTHORITY

The **Nigerian Television Authority** or **NTA** is a Nigerian government-owned and partly commercial broadcast station. Originally known as Nigerian Television (NTV), it was inaugurated in 1977 with a monopoly on national television broadcasting, after a takeover of regional television stations by military governmental authorities in 1976. After declining interest from the public in government-influenced programming, it lost its monopoly over television broadcasting in Nigeria in the 1990s.

The NTA runs the largest television network in Nigeria with stations in several parts of the country. It is widely viewed as the "authentic voice" of the Nigerian government.

2.1. OBJECTIVES OF ESTABLISHMENT VISION NIGERIANMENT

The vision of Nigeria Television Authority is to become the preferred medium, operating in a uniquely professional environment for wordless broadcast

2.1.1. MISSION NIGERIANMENT

To build a broadcast giant, promoting societal values and human development, through performance driven innovative and quality service.

The objectives of the establishment has been in its vision and mission respectively.

2.2. DEPARTMENTS AND THEIR FUNCTIONS

ADMINISTRATION DEPARTMENT: This is a department that is in charge of keeping proper records of the staffs of the organization, supervises the running of the affairs and maintenance of discipline in the entire station.

NEWS AND CURRENT AFFAIRS DEPARTMENT: It is the department that is in charge of news production and current affairs in various languages for the station.

ACCOUNT DEPARTMENT: It is in charge of keeping the financial details and transactions of the station for both the money coming in and out.

ENGINEERING DEPARTMENT: It is a department that is in charge of engines and all electronic equipment in the television station. It has various unit such as outside broadcasting, maintenance, V.T.R, transmitter, power plant. It is the heart of the station.

PROGRAMS DEPARTMENT: This is the department that is in charge of the program production, it has various units such as production, presentation and film.

MARKETING DEPARTMENT: is a department that handles the marketing strategies of the station.

FINANCIAL DEPARTMENT: is a department that ensures prudent management of available resources

AUDIT DEPARTMENT: is a department that moderate financial regulations based on the principles of transparency and accountability.

CHAPTER THREE

3.1 TECHNICAL TRAINING EXPERIENCE/ WORK DONE

During my six-month industrial training at **Nigerian Television Authority (NTA)**, **Ilorin**, I gained valuable hands-on experience in various aspects of Information Technology (IT) within a media and broadcasting environment. Below is a detailed breakdown of my experiences and skills acquired on a weekly basis.

WEEKLY REPORT OF EXPERIENCE GAINED

Week 1: Orientation and Introduction to NTA

- I was introduced to the organizational structure of NTA and its various departments.
- Attended an orientation session where I learned about NTA's core responsibilities and operations.
- Familiarized myself with workplace ethics, dress codes, and general rules of engagement.
- Met my supervisor and team members in the **Information Technology (IT) Department**.

Skills Acquired:

- Understanding workplace ethics and corporate culture.
- Learning about broadcasting technology and media operations.

Week 2: Basic IT Support and Computer Maintenance

- Assisted in setting up and configuring new computers for staff members.
- Installed operating systems (Windows 10, Linux) and essential software applications.

- Diagnosed and resolved minor computer hardware and software issues.
- Learned the process of system troubleshooting and maintenance.

Skills Acquired:

- Computer hardware troubleshooting and repairs.
- Installation of operating systems and essential software.
- Knowledge of computer maintenance best practices.

Week 4: Introduction to Video Editing and Graphics Design

- Learned the basics of **Adobe Premiere Pro** and **CorelDRAW**.
- Assisted in editing short news clips for broadcast.
- Created simple on-screen graphics for TV programs.
- Observed how professional editors prepare video content for airing.

Skills Acquired:

- Basic video editing skills using **Adobe Premiere Pro**.
- Graphics design for media using **CorelDRAW**
- Understanding of media post-production workflows.

Week 4: Website Management and Content Update

- Assisted in updating NTA's official website with fresh news content.
- Learned about **Content Management Systems (CMS)** used for media websites.
- Helped in maintaining the internal database for news archives.
- Researched and recommended improvements for digital content delivery.

Skills Acquired:

- Managing a CMS-based website.
- Basic knowledge of HTML and website content structuring.
- Understanding database management for media houses.

Week 5: Live Broadcast Operations and Studio Setup

- Assisted in setting up studio equipment for live broadcasts.
- Learned how camera feeds and **mixers** are used for live TV programs.
- Helped in **monitoring audio and visual signals** during live news reporting.
- Assisted in handling **microphones, lighting, and video cameras**.

Skills Acquired:

- Technical knowledge of **live broadcasting equipment**.
- Understanding of **audio-visual signal transmission**.
- Basics of **studio production setup**.

Week 6: Troubleshooting and Repair of Office Devices

- Diagnosed and fixed **printer and scanner issues** in various departments.
- Assisted in configuring **network printers** for multiple users.
- Helped in troubleshooting **Wi-Fi connectivity issues** within the office.
- Maintained hardware inventory and documented **fault reports**.

Skills Acquired:

- Troubleshooting and maintaining **printers, scanners, and network devices**.
- Improving problem-solving skills in IT maintenance.
- Writing **technical reports** on system faults and solutions.

Week 7: Introduction to Transmission and Signal Processing

- Attended a training session on **broadcast signal transmission**.
- Learned about the role of **satellite uplink and downlink in TV broadcasting**.
- Assisted in monitoring **signal strength** to prevent interruptions.
- Observed how digital signals are transmitted from the **control room to TV screens**.

Skills Acquired:

- Understanding of **satellite and digital signal transmission**.
- Basic knowledge of **signal modulation and frequency tuning**.
- Learning the **importance of uninterrupted transmission** in TV broadcasting.

Week 8: Cybersecurity and Data Protection

- Learned about **basic cybersecurity measures** to prevent data breaches.
- Assisted in setting up **password policies and access controls** for staff computers.
- Helped in running **antivirus scans** and removing malware from infected systems.
- Attended a session on **data backup strategies** for NTA's servers.

Skills Acquired:

- Understanding **cybersecurity threats and prevention**.
- Knowledge of **data protection measures** in media organizations.
- Importance of **regular system backups** in IT operations.

Week 9: Final Project and Report Writing

- Worked on a **small group project** to enhance the IT department's workflow.

- Prepared a report on "**The Role of IT in Modern Broadcasting**".
- Presented key findings and recommendations to my supervisor.
- Completed my **logbook** and SIWES report documentation.

Skills Acquired:

- Report writing and documentation skills.
- Presentation and teamwork skills.
- Problem-solving and recommendation development.

GENERAL EXPERIENCE GAINED FROM SIWES AT NTA

By the end of my **SIWES training at NTA**, I had gained:

Technical Skills – Troubleshooting, networking, and video editing.

Broadcasting Knowledge – Live studio production and signal transmission.

Cybersecurity Awareness – Data protection and malware prevention.

Professional Development – Teamwork, communication, and problem-solving skills.

This training has **deepened my understanding** of IT in the **media industry** and prepared me for **future career opportunities** in broadcasting technology.

This detailed **weekly breakdown** of experiences gained during SIWES at **NTA** provides a structured and **comprehensive report** that can be used for academic submission. Let me know if you need any **modifications or additional details!** 😊

CHAPTER FOUR

4.1. EXECUTIVE SUMMARY

The student Industrial Work Experience Scheme (SIWES) is a training found in 1973 to bridge the gap between theory and practical oriented among students of Engineering, Technology, Social Science and Medical Science in Nigerian higher institution.

It provides for the job practical experience for students as they are expose to the methodand machineries that may not be available in their institutions.

At inception in 1974, the scheme started with 787 from 11 institutions and 104 eligible courses, by 2008, 210390 students from 219 institutions participated in the scheme with over 112 eligible courses. However, the rapid growth and exposition of SIWES has occurred against the back drops of successive economic crisis which have affected the smooth operation and administration of the scheme. Most industries are operating below in storage capacity while others completely shutdown in Nigeria. This has impacted negatively on the scheme as higher institution of learning find it increasingly difficult to secure placement for student's industries where they could acquire much practical experience.

CHAPTER FIVE

CHALLENGES ENCOUNTER

Difficulty in finding a place for industrial training is a big problem for students on SIWES program.

There are situations whereby you will write a company aptitude test but because you do not know anybody within the company or that no one can speak on your behalf then you will lose the placement.

Another challenge is transport fare issues. After eventually getting a company for the SIWES program, to finance my transport fare to my media station is a very difficult challenge and where I stayed to media organization is far and untrekked.

Many more other challenges I encountered but few are mentioned here.

RECOMMENDATIONS

It is been recommended that organizations or company owners who accept SIWES students should endeavour to fully digitize their organization.

It is also been suggested to organizations to make the SIWES student fully involve in the way the organization are been run or operated.

Federal government of Nigeria and NIGERIAN government should provide infrastructure that would help organization owners to fully digitize their companies.

Also, institution management should also organize supervisors to inspect students in their vary SIWES placement.

CONCLUSION

There is every need to appreciate and recognize the advent of SIWES program and agree it has brought about dynamism into learning system. The SIWES program brings new learning services and practical interactivity on the side of the students.

My SIWES report findings my experience and all I learned during my SIWES program at the NIGERIAN TELEVISION AUTHORITY, ILORIN.

My report also revealed the history of my SIWES placement and the aims and important of SIWES. However, my report is detailed with my experience and what I learned during the period.