



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

HELD AT



GPG/SOLUTION FM 93.9

NO 100, AWENI HOUSE, OKE-ADO, IBADAN

BY

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DEDICATION

I dedicate this report to God Almighty for His Unlimited Grace, Consistent Love, Immeasurable Faithfulness, and for sparing my life throughout the period of my SIWES programme.

Secondly, I dedicate it to my parents Mr. & Mrs. Ajayi for their undiminished support and unquantifiable assistance throughout the whole exercise and beyond.

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First and foremost, my deepest acknowledgement goes to God Almighty for His overwhelming love upon my life throughout the Scheme.

I appreciate my parents Mr. and Mrs. Ajayi and friends for their constant help and support.

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Furthermore, I express my appreciation to General Manager of GPG/Solution FM 93.9.

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CHAPTER ONE

1.0 INTRODUCTION TO SIWES

In 1974, the federal government of Nigeria introduced the National policy on industrial training called the student industrial work experience scheme (SIWES).

This program is under the umbrella of the ministry of education through the industrial training fund (ITF), was design to help student acquire the necessary practice education experience in their fields of study and other related professions.

The program was established basically to impact elaborate practical understanding to student with respect to their various discipline. It is also intended that the student through a process of relation to academic knowledge and practical industrial application would understand the underlying principle and become better focused and acquire the practical application toward excellence in his/her discipline.

The students are expected to develop occupational competence that would facilitate their fitting into the world of work after graduation.

1.1 AIM AND OBJECTIVE OF SIWES

The student industrial work experience scheme (SIWES) has it major aims and objective of establishment. The following are the aim and objective of the program.

- I. To provide student an opportunity to apply their theoretical knowledge in really work situation, thereby bridging the gap between theory and practical.
- II. To expose student to working method and techniques in handling equipment and machineries that is not available in their various institutions.
- III. To make the transition from the institution to the world of work easier and thus enhance student contact for later job placement.
- IV. To prepare student in skill development by participation in field works, particularly in writing in their field of works.
- V. Enhancing student contact with potential employers while on training.

1.2 Radio station Rules and Safety Procedures

- i. Report any injuries to the teacher immediately
- ii. Learn the location of the nearest fire extinguisher
- iii. Never move anything heavy by yourself. Some of the equipment in the station is very large and heavy. Avoid back strain or other bodily harm by working with partner.
- iv. Keep all food and drink out of all studios and the radio office area.
- v. Turn off (or airplane mode) all cell phone and other electronic communication device before entering any radio broadcast or production studio.
- vi. Clean up and straighten all areas after use.
- vii. Do not touch anything without explicit instruction

1.3 Brief History about the Organization

Solution 93.9 FM is a private radio station based in Ibadan, Oyo State, Nigeria. Established by Chief Adegboyega Adegoke, the Ajia Balogun of Ibadanland, the station aims to contribute to the state's economic growth by creating employment opportunities and providing quality entertainment.

The station officially commenced operations on November 6, 2021, with a commissioning ceremony attended by notable figures, including the Deputy Governor of Oyo State, Engr. Rauf Olaniyan. He praised Chief Adegoke for his dynamic business and financial expertise, noting that the establishment of Solution FM came at an opportune time to serve both primary and secondary functions of mass media.

Since its inception, Solution 93.9 FM has actively engaged with the community. In its maiden award night, the station honored 13 distinguished Nigerians for their outstanding performances in various fields, reflecting its commitment to recognizing excellence and fostering community development.

Chief Adegoke's vision extends beyond broadcasting; he leverages his extensive experience in financial and strategic management to address socio-political and economic

challenges through the platform. Under his leadership, Solution 93.9 FM has become a forum for informed discussions on governance, economic policy, and social justice, thereby contributing positively to the region's development.

In September 2024, Chief Adegoke joined the People's Democratic Party (PDP) in Ibadan South West Local Government, further demonstrating his dedication to public service and community advancement.

Through its diverse programming and community initiatives, Solution 93.9 FM continues to play a significant role in the socio-economic landscape of Ibadan and Oyo State at large.

1.4 Organization Chart



CHAPTER TWO

2.0 Radio broadcasting equipment with their function

Studio and Production Equipment

Your on-air broadcast requires content, and that's where production equipment comes into play. When most people imagine a radio station, they visualize its studio. This is where the actual recording takes place, and where many of the most iconic pieces of radio broadcast equipment live.



A microphone

A microphone is necessary to capture and record voices, music, sound effects, and other audio. The microphone translates all audio into electrical impulses and is often mounted on a microphone arm to save space.



An audio console

An audio console is used to record, equalize, and optimize your program. Sometimes referred to as a sound desk, radio panel, or sound panel, this is the interface that controls exactly what is heard on air. Each of the console's channels represents a single input, and the fader/slider can be manipulated to adjust the incoming signal.



There are analog audio consoles and digital audio consoles, but radio consoles, in general, are specifically designed to be easy for on-air talent to use. In an analog console, the physical audio is actually transmitted through its circuitry. In contrast, digital audio consoles function as a “remote control” for the mix engine (typically located within the rack room).

Studio monitor speakers

Monitor speakers enable you to hear what's going on without needing to wear headphones. Most studios use high-quality monitor speakers so that any issues with sound quality are easy to pinpoint



Headphones

When a microphone is turned on, a studio's monitor speakers are automatically muted. So, you'll need headphones to hear the content that will be going to air.



Level meters

A level meter allows the panel operator or on-air talent to monitor the audio volume, so they can ensure it is neither too quiet nor too loud at any point. In most cases, there will be multiple level meters set up for the varying points in the signal chain.

There are also some radio stations that utilize phase meters in addition to level meters. A phase meter works to identify mono content, so you can detect issues with source material and avoid problems with the stereo image.



Transmitter: A transmitter is a device that receives signals or data and converts them into a form that can be transmitted across a medium, usually over a distance.



Other equipment are:

- Rack Room Equipment
- An audio mixer (mix engine)
- Protection units
- Transmission Gear
- A transmitter/studio link
- Transmission lines
- An antenna array

2.1 GPG/Solution FM 93.9 Departments with their Functions

General Organization of GPG/Solution General Administration

General administration division is the General Manager or station manager, the business manager, the accountants, the secretaries, and other administrative and office staff.

These employees serve various duties such as the payment of wages and salaries, membership fees and subscriptions for industry information, license and other government-imposed fees, taxes, insurance, legal and auditing fees, and contributions to charitable organizations.

In addition, maintenance of the building and of equipment, utilities, office supplies, computers, station automobiles, and other administrative services and supplies are also provided by the general administrative department.

It is not surprising, then, that this department consumes one-third of the total operating expenses of a station, although only about 13 percent of the total staff may be in administration.

Marketing

The sales department at **GPG/Solution FM 93.9** responsible for generating the revenue for the station to survive. A general sales manager leads a team that is comprised of a national/regional sales manager, a local sales manager, account executives, and at times, a traffic manager.

In most cases, the national/regional sales manager will be a liaison from an outside organization that wins advertising contracts from regional and national advertisers.

The local sales manager, then, is charged with securing advertising accounts with local businesses and organizations.

A staff of account executives helps the local sales manager sell advertising time to local businesses employing solicitation tactics similar to sales businesses. However, the salespeople of television must negotiate advertising sales using a rate card, a definitive list of airtime costs during the various time periods and television programs.

Furthermore, the television account executive can also offer to create the advertisement for a client if the client so chooses, in which case the sales department cooperates with the production and programming departments for this venture.

Programming

The programming department, in conjunction with the production and news departments, acquires and schedules the product that the audience consumes, which in turn allows the sales department to create revenue, which in turn allows the general administration department to facilitate station operations.

The programming department is responsible for filling the entire broadcast day with programming and is therefore saddled with arguably the most challenging job in television. Consequently, this department also works closely with the traffic department in structuring the daily programming schedule.

Programming is second only to general administration in terms of operating expenses. The department, if its station is affiliated with a network, needs almost 25 percent of the total budget of the station to function. However, an independent station may give as much as half of its total operating budget to the acquisition of programs.

Programming may consist of a program director, a videotape librarian, a ratings researcher, an acquisitions staff, a continuity standards staff, and on-camera personalities for use in locally originated programs.

The program director, helped by the acquisitions personnel, may obtain the majority of the programming of a station from syndicators and other program suppliers. If a station is affiliated with a major television network, then programming will have the luxury of choosing how much programming it will schedule from the network. In a larger market, viewership research may be conducted to help the program director select a programming plan that will attract a substantial audience. Community feedback also aids in planning decisions.

However, all decisions concerning programme acquisition are ultimately controlled by the amount of revenue gained from sales and the resulting budget allotted the programming division.

CHAPTER THREE

3.0 Student Specific Involvement in Various Section

When I resumed, I was properly documented at the office of the Industry-based SIWES coordinator. After documentation I was posted to the Place of my Primary Assignment, the programming department.

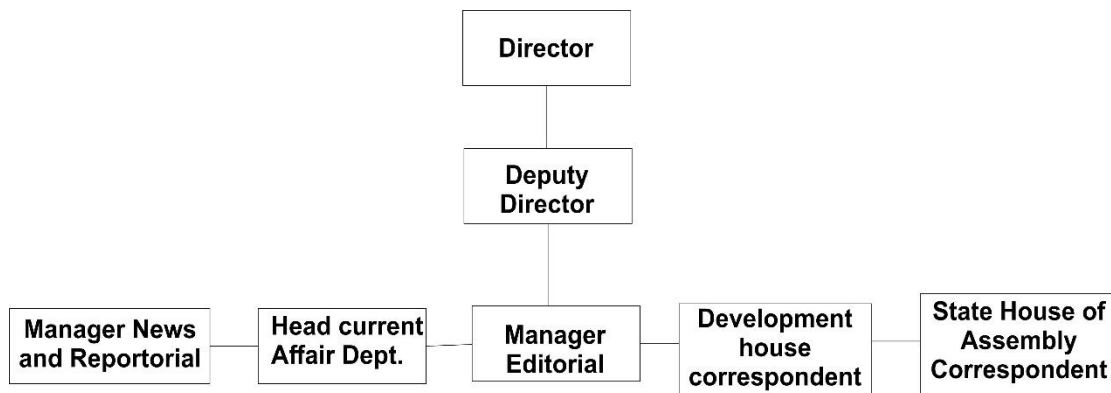
I was formally introduced to members of the department for integration into the department. I was then briefed on the established rules of engagements at the Programme Department after which I met with my in-house trainer(s) to guarantee desired familiarity.

3.1 Program Department

In programme department I observe that this department is all about planning schedule technical research, their sub-unit in the program which are program production and schedule presentation.

I was put to test anchor a program. I had the opportunity to watch a live program at the studio. The conversation is one-hour program that involve two guest and one presenter.

3.2 Internal Structure of the News and Current Affairs Department



CHAPTER FOUR

4.0 EXPERIENCE AT GPG/SOLUTION FM 93.9

I was assigned to Programming Department to begin my four months stay at GPG/Solution FM 93.9, Ibadan

In the first day I was address by the head of news department and they tell me some rule and regulation of the radio station.

They show me different equipment in the studio like mic, the headphone, audio console, speaker etc. with their function.

During this training I learn the different between the live and recording. These obviously allowed us to gain comprehensive practical knowledge skills in the field which we understood to be core objectives of SIWES.

While on this SIWES, I gained some experience on how to do live program. Most importantly, through this SIWES I acquired encompassing knowledge on different strategies involved in broadcasting, and how essential it is for a good professional broadcaster to understand his/her topics under discuss so as to give it effective delivery/judgment.

In overall, it was a great learning experience; and an indication that I am on the right course of learning (Mass Communication).

CHAPTER FIVE

5.0 CONCLUSION

My period of industrial attachment was a period of learning and great exposure to the practice of the theoretical aspect of what I learnt in lecture room. It also brought me in contact with some high class of people which I may not have met if I did not undergo this training.

Coordinators and Organizers of the SIWES programme must in earnest compel tertiary institutions to adhere strictly to the duration for SIWES attachment in any industry if they really want to bridge the gap between the theoretical knowledge acquired in tertiary institutions and the practical skills required in today's workplace.

I urge undergraduates to seize the opportunity given by the SIWES programme to develop their skills and prioritize practical development over theories in their academic pursuit in various field of study.

SIWES has made me to see the other side of my course of study and also afforded me the opportunity to make use and link what I have learnt in the lecture room in the practical field.

5.1 RECOMMENDATION

The experience I gained during my SIWES program cannot be over emphasized, I was practically oriented I humbly recommend that SIWES program should be made compulsory for student of Mass communication, field in order to gain more experience in their course of study.

Based on student industrial work experience scheme (SIWES) program,

- I recommend that the program is very good and trainees should be allowed monthly package in their place of work as they do other regular employee work.
- Also, orientation should be giving to student before going to their place of work.