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**STUDENTS’ WORK EXPERIENCE PROGRAM**

**(SWEP)**

**AT**

**COMPANY NAME,**

**CITY**

**STATE.**

**PREPARED BY:**

**STUDENTS NAME**

**MAT. NUMBER**

**SUBMITTED TO:**

**THE COLLEGE OF ENGINEERING**

**DEPARTMENT OF MECHANICAL AND MECHATRONICS ENGINEERING**

**AFE BABALOLA UNIVERSITY, ADO-EKITI**

**EKITI STATE.**

**DATE**

## CERTIFICATION

This is to certify that this work titled Students’ Work Experience Program (SWEP) was undertaken at Company name by Name of Student (17/ENG05/02..) and presented to the Department of Mechanical and Mechatronics Engineering, Afe Babalola University, Ado-Ekiti, Ekiti State during the 2018/2019 Students’ Work Experience Program (SWEP).

Engr Aderonke Adewunmi Signature and Date

SIWES Coordinator

Mechanical & Mechatronics Engineering

Engr. Prof A.O.M Adeoye Signature and Date

Head of Department

Mechanical & Mechatronics Engineering

## DEDICATION

I dedicate this report to Almighty God, for granting me the strength to complete 3 months of my Industrial work experience successfully and for protecting me, giving me the strength to keep pushing forward during the period of my internship.

## ACKNOWLEDGEMENT

My deepest acknowledgement and gratitude goes out to God for his gift of life and strength, making it possible for me to complete my SWEP in this reputable organisation.

My profound appreciation goes to the Provost of the College of Engineering Engr. Prof J.O. Dada and the Head of Department, Mechanical and Mechatronics Engineering Engr. Dr. A.O.M. Adeoye

Special thanks also go out to Gigasec Services Limited for allowing me to undergo my SWEP training in their Organization, I was impacted with so much knowledge and experience, which would come in handy shortly.

Many Thanks to all my lecturers in the Mechanical & Mechatronics Engineering Department of ABUAD. God bless you all.

Finally, I want to thank my Parents, Mr. & Mrs. Name, who provided me with words of encouragement, shelter and financial support during my period of work.

## TABLE OF CONTENTS

[**CERTIFICATION 2**](#_Toc133768935)

[**DEDICATION 3**](#_Toc133768936)

[**ACKNOWLEDGEMENT 4**](#_Toc133768937)

[**TABLE OF CONTENTS 5**](#_Toc133768938)

[**CHAPTER ONE 7**](#_Toc133768939)

[**1.0 INTRODUCTION 7**](#_Toc133768940)

[**1.1 INTRODUCTION TO STUDENTS’ WORK EXPERIENCE PROGRAM (SWEP) 7**](#_Toc133768941)

[**1.2 OBJECTIVES OF SWEP 7**](#_Toc133768942)

[**1.3 BENEFITS OF SWEP 8**](#_Toc133768943)

[**1.4 HISTORY OF SWEP/SIWES 9**](#_Toc133768944)

[**1.5 LOGBOOK 10**](#_Toc133768945)

[**1.6 BACKGROUND OF THE COMPANY 11**](#_Toc133768946)

[**CHAPTER TWO 12**](#_Toc133768947)

[**2.0 THEORY OF WORK DONE 12**](#_Toc133768948)

[**2.1 SOFTWARE DEVELOPMENT 12**](#_Toc133768949)

[**2.2 NETWORK SECURITY 13**](#_Toc133768950)

[**2.3 CLOUD COMPUTING 15**](#_Toc133768951)

[**2.4 TECHNICAL SUPPORT 16**](#_Toc133768952)

[**2.5 CYBERSECURITY 17**](#_Toc133768953)

[**CHAPTER THREE 20**](#_Toc133768954)

[**3.0 WORKDONE 20**](#_Toc133768955)

[**3.1 ACTUAL WORKDONE 20**](#_Toc133768956)

[**CHAPTER FOUR 21**](#_Toc133768957)

[**4.0 EXPERIENCE GAINED AND CHALLENGES FACED 21**](#_Toc133768958)

[**4.1 EXPERIENCE GAINED 21**](#_Toc133768959)

[**4.2 CHALLENGES FACED 21**](#_Toc133768960)

[**CHAPTER FIVE 22**](#_Toc133768961)

[**5.0 CONCLUSION AND RECOMMENDATION 22**](#_Toc133768962)

[**5.1 CONCLUSION 22**](#_Toc133768963)

[**5.2 RECOMMENDATION 22**](#_Toc133768964)

[**REFERENCES 23**](#_Toc133768965)

## CHAPTER ONE

## INTRODUCTION

## INTRODUCTION TO STUDENTS’ WORK EXPERIENCE PROGRAM (SWEP)

Student Work Experience Program (SWEP) was established by the Industrial Training Fund (ITF) in 1973 to enable students of tertiary institutions have basic technical knowledge of industrial works based on their course of study before the completion of their program in their respective institutions.

SWEP is a required skill training scheme, which forms a major part of the approved minimum academic standard in the various degree programs for all the Nigerian Universities. This training connects the gap existing between theory and practical aspect of the Engineering, Technology, Sciences, Agriculture, Medical and Environmental Sciences, Technical and Science Education and other professional education programs in the Nigerian tertiary institution. Participation in SWEP has become a necessary pre-condition for the award of Diploma and Degree certificates in specific disciplines in most institutions of higher learning in the country, in accordance with the education policy of government.

## OBJECTIVES OF SWEP

The objectives of SWEP according to ITF (2003) are as follows:

* To provide opportunities for students in higher institutions and universities to gain industrial experience and skills during their respective courses of study.
* To expose these students to the various work methods and techniques in handling machineries and equipment’s related to their discipline that may not be available at their institutions.
* To make the transition from school to the world of work easier and enhance the students’ contacts for a possible job offer in the future. i.e., to bridge the gap between theory and practice by providing students with the opportunity to apply their educational knowledge in real work situations.
* To prepare the students for industrial work situations they are likely to face after graduation.
* To strengthen employers’ involvement in the entire educational process.

## 1.3 BENEFITS OF SWEP

SWEP affords students with the following opportunities:

* Appreciate the connection between their courses of study and other related disciplines in the production of goods and services.
* Appreciate the role of professions in their various fields as the creators of change and wealth and indispensable contributors to growing the economy and national development.
* Bridge the gap between the knowledge acquired in institutions and relevant production skills required in work organizations.
* Enhance students’ contact with potential employers while on training.
* Develop and enhance personal attributes such as critical thinking, creativity, initiative, resourcefulness, leadership, time management, presentation skills and interpersonal skills.
* Blend theoretical knowledge acquired in the classroom with practical hands-on application of knowledge.
* Appreciate work method and gain experience in handling equipment and machinery which may not be available in our institution.

## 1.4 HISTORY OF SWEP/SIWES

SIWES was established by the ITF (Industrial Training Fund) in the year 1973 to solve the problem of the lack of adequate proper skills for employment of tertiary institution graduates by Nigerian Industries. The Students’ Industrial Work Experience Scheme (SIWES) was founded to be a skill training program to help expose and prepare students at universities, polytechnics and colleges of education for the industrial work situation to be met after graduation. This scheme serves as a smooth transition from the classroom to the world of work and further helps in the application of knowledge. The scheme provides students with the opportunity of acquainting and exposing themselves to the experience required in handling and managing equipment and machinery that are usually not made available in their institutions. Before this scheme was established, there was a growing concern and trend noticed by industrialists that graduates of higher institutions lacked sufficient practical background for employment. It used to be that students who got into Nigerian institutions to study science and technology were trained in the practical know-how of their various fields of study. As a result, they could not easily find jobs due to the lack of working experience.

Therefore, the employers thought that theoretical education going on in higher institutions was not responsive to the needs of the employers of labor. This was a huge problem for thousands of Nigerians until 1973. It is against this background that the fundamental reason for initiating and designing the scheme by the fund in 1973/74 was introduced.

The ITF organization (Industrial Training Fund) decided to help all interested Nigerian students and established the SIWES program. It was officially approved and presented by the Federal Government in 1974. The scheme was solely funded by the ITF during its formative years but as the financial involvement became unbearable to fund, it withdrew from the scheme in 1978. In 1979, the federal government handed over the management of the scheme to both the National Universities Commission (NUC) and the National Board for Technical Education (NBTE). Later, in November 1984, the federal government reverted the management and implementation of the scheme to ITF. In July 1985, it was taken over by the Industrial Training Fund (ITF) while the funding was solely borne by the federal government.

## 1.5 LOGBOOK

The SWEP Logbook also known as Industrial Training or Internship Logbook is an official record booklet that is being issued by various Universities, Polytechnics, Colleges of Education, Colleges of Technology, Colleges of Agriculture to their internship students to record down their daily, weekly and monthly activities carefully and neatly, projects, jobs, etc. carried out at their various workplaces. It is going to contain your basic information such as:

1. Your recently snapped passport
2. Full name
3. Sex (Male or Female)
4. Matriculation Number
5. Department
6. Faculty
7. Year of Study (200, 300, 400)
8. Name & mailing address of company attached to
9. Names of Industry-Based Supervisor(s)

The logbook is meant to be signed and stamped by the Industrial-Based Supervisor every week for the amount of time the student is meant to work and after the period of training, he/she is meant to make comments at designated parts of the book before the logbook is then taken to the nearest Industrial Training Fund (ITF) office for further signing and stamping before the student finally returns it his/her respective school.

## 1.6 BACKGROUND OF THE COMPANY

Write about the company where you carry out the SWEP

## CHAPTER TWO

## THEORY OF WORK DONE

## 2.1 SOFTWARE DEVELOPMENT

## 2.2 NETWORK SECURITY

## 2.3 CLOUD COMPUTING

## 

## 2.4 TECHNICAL SUPPORT

## 2.5 CYBERSECURITY

## CHAPTER THREE

## WORKDONE

## 3.1 ACTUAL WORKDONE

## CHAPTER FOUR

## EXPERIENCE GAINED AND CHALLENGES FACED

## 4.1 EXPERIENCE GAINED

## 4.2 CHALLENGES FACED

## CHAPTER FIVE

## CONCLUSION AND RECOMMENDATION

## 5.1 CONCLUSION

## 5.2 RECOMMENDATION

## REFERENCES