SOFTWARE ENGINEERING
FACULTY OF COMPUTING
BAYERO UNIVERSITY, KANO

SIWES TECH REPORT GUIDELINES
PRESENTER: ASHIR LEKO ISMAIL

OUTLINE

- Introduction
- Formatting
- Preliminary pages
- Chapter one : (Not less than 2000 Words)
- Chapter two: (Not less than 9000 Words)
- Chapter three: (Not less than 1000 Words)

INTRODUCTION

- **SIWES** (Student Industrial Work Experience Scheme) is a skill development program established by the **Industrial Training Fund (ITF)** in Nigeria.

- It is designed to provide practical industrial exposure to students of tertiary institutions, especially those studying courses that require practical experience, such as engineering, science, technology, agriculture, and other applied fields.

OBJECTIVES OF SIWES

- Bridge the gap between theory and practice.
- Develop practical skills.
- Enhance employability and career development.
- Promote collaboration between academic institutions and industries.
- Improve students' ability to work in a team and adapt to a professional environment.

FORMATTING

- The writing should be in Times New Roman Font Type. 12points, Line Spacing 1.5

- Chapters Heading should be in Centralized Alignment'

- Sub-Sections should be in Left Alignment ·

- Inside each Subsection, the writing Should be Justified aligned.

- Page Numbering should be in center of a page.

- Each Chapter should start on a new page.

- All abbreviations must be written completely the first time they are used with parenthesis around the abbreviation.

FORMATTING .....

- All figures and tables must be numbered according to the chapter and referenced inside the chapter.
  - For example the first figure in chapter 2 should be labelled Figure 2.1, the fourth table in chapter 3 should be Table 3.4.
  - Tables should be labelled at the Top, Figures should be labelled at the bottom.
  - Both Tables and Figures and their labels should be center aligned.

TITLE PAGE

STUDENT INDUSTRIAL WORK EXPERIENCE SCHEME (SIWES)

By

Name

Reg Number

SIWES TECHNICAL REPORT SUBMITTED TO THE DEPARTMENT OF SOFTWARE ENGINEERING, FACULTY OF COMPUTING, BAYERO UNIVERSITY KANO

Name of the Organization

Organization's Address
City, State, Country

Duration of Industrial Training:
From: Start Date
To: End Date

DECLARATION

I, [Full Name], with Registration Number [Reg No], hereby declare that the industrial work experience program (SIWES) undertaken at [Name of Company/Organization] from [Start Date] to [End Date] was a valuable and enriching experience for me.

Signature and date

_____

Name

Registration Number

CERTIFICATION

This is to certify that [Full Name], with [Reg Number], has successfully completed the Student Industrial Work Experience Scheme (SIWES) at [Name of the Organization], located at [Organization Address], from [Start Date] to [End Date].

[NAME]

_____

Student

Signature & Date

[NAME]

_____

SIWES Supervisor

Signature & Date

[NAME]

_____

SIWES Coordinator

Signature & Date

ACKNOWLEDGEMENT & TABLE OF CONTENTS

- **Acknowledgement:** Includes a brief acknowledgement of those who helped in your SIWES experience. This typically includes your industry supervisor, SIWES supervisor, the management of the company, your SIWES coordinator, and anyone else who supported you during the training.

- **Table of Contents**: Lists the main sections and subsections of the report, along with their page numbers, providing an organized outline of the document.

CHAPTER ONE : INTRODUCTION

- 1.1 Preamble
  - 1.1.1 A Brief Overview of SIWES
  - 1.1.2 A Brief Overview of the Organization
  - 1.1.3 Activities & Services of the Organization
  - 1.1.4 Ethics of the Organization
- 1.2 Students Objectives of the SIWES
  - 1.2.1 Objective One
  - 1.2.2 Objective Two
  - 1.2.3 Objective Three
- 1.3 Overview of the Work Assigned during SIWES
- 1.4 Achievement
  - 1.4.1 Skills Learned
- 1.5 Summary

- **Introduction**: should contain overview of SIWES, overview of the Organization, Activities and Services of the Organization and Ethics of the Organization

- **Student's Objective of the SIWES**: The students are expected to provide at least three objectives. E.g.
  - Gaining practical experience in mobile software development, including programming languages, tools, and frameworks used in the industry.
  - Understanding the workflow of mobile app development, from concept and design to deployment and maintenance.
  - Enhancing problem-solving and collaboration skills by working in teams on real-world mobile software projects.
  - This objectives should be aligned to what will be discussed in chapter two.

CHAPTER ONE ….

- **Overview of the Work Assigned during SIWES:** Students should explain every work assigned to them during SIWES. Eg.
  - Writing code for mobile applications, testing functionality, and debugging issues.
  - Participating in app design and prototyping stages using wireframe tools and UI/UX design principles.
  - Collaborating with team members on projects, attending meetings, and reporting progress on specific assignments or modules.

- **Achievement:** Students should describe the achievement at the end of the SIWES experience. E.g.
  - A better understanding of mobile software development lifecycle and a portfolio of projects or contributions to existing apps.
  - Improved technical proficiency in mobile programming languages such as Java, Kotlin, Swift, or Flutter.
  - Developed soft skills such as teamwork, communication, and time management, gained through practical exposure in a corporate environment.

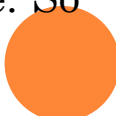- **Summary:** Provide the summary of the chapter

CHAPTER TWO: LEARNING EXPERIENCE

- 2.1 Introduction
- 2.2 Projects undertaken during the program
  - 2.2.1 Details of what has been carried out
  - 2.2.2 Reflection on the practical application of academic knowledge
  - 2.2.3 Challenges faced and how they were overcome
- 2.3 Summary

CHAPTER TWO: LEARNING EXPERIENCE

- **Projects undertaken during the program:** Student is expected to explain projects he/she has participated in.

- Each project should be aligned to an objective that has been stated in Chapter 1.

- A student is expected to take each of the objectives and explained it in details.
  - **The explanation should also capture the following in each objective:**
    - **Details of what has been carried out**: The student should explain each objective in details i.e Role played, Commitment, Awards, Contribution etc
    - **Reflection on the practical application of academic knowledge**: Student should clearly explain how academic knowledge obtained reflect the practical application in the real world projects.
    - **Challenges faced and how they were overcome:** The student should explained all the challenges he/she faces in other to achieve an objective. So also explain how there were overcome.

CHAPTER THREE: CONCLUSIONS & RECOMMENDATIONS

- 3.1 Introduction
- 3.1 Conclusion
- 3.2 Recommendations

CHAPTER THREE: CONCLUSIONS & RECOMMENDATIONS

Conclusion: Write a good conclusion. E.g.

My SIWES experience at [Company Name] provided invaluable practical exposure to the software development industry. I was able to apply theoretical knowledge from my university studies to real-world projects [list of the projects], gaining hands-on experience with [specific technologies or tools].

The opportunity to work alongside experienced professionals and contribute to meaningful projects has significantly enhanced my skills and prepared me for a successful career in software engineering. I am grateful for this experience and look forward to applying the lessons I learned in my future endeavors.

Recommendation:

Thank You