

PROJECT/SIWES REPORT WRITE-UP



**Electronics and
Telecommunications Engineering
Department (ETED)**



**Ahmadu Bello University
(ABU), Zaria**

A GUIDE TO PROJECT/SIWES REPORT WRITE-UP AND ITS COMPONENTS (CMEN 318)

BY

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MODULE OUTCOME (ABSTRACT)

Students are expected to understand the fundamental components of a SIWES report, both the preliminary pages and the chapters. They will be guided with examples on the standard Departmental format and what is required by each component of the report. On completion of this module of the course, the students will be able to produce their own write-ups with minimal supervision, once enough information is gathered from the place of SIWES attachment.

PRESENTATION TOPICS

1. PRELIMINARY PAGES
2. REQUIRED CHAPTERS
3. CHAPTER ONE THROUGH FIVE
4. LIST REFERENCES

PRELIMINARY PAGES

The preliminary pages are nine elements as follows, excluding cover page:

1. Title Page
2. Declaration
3. Certification
4. Dedication
5. Acknowledgement
6. Abstract
7. List of Figures
8. List of Tables
9. Abbreviations

PRELIMINARY PAGE (Cover Page)

- It has an **ABU logo**, **Project title**, **Author's name**, **Department details** and **year**.
- Its content is in **upper case**.
- It is **not numbered**.
- Surname of author is **underlined**



REDUCTION OF PACKET LOSS RATE OF WIRELESS NETWORK
USING FORWARD ERROR CORRECTION TECHNIQUE

BY

ABDOULIE MOMODOU SUNKARY TEKANYI

DEPARTMENT OF COMMUNICATIONS ENGINEERING
FACULTY OF ENGINEERING
AHMADU BELLO UNIVERSITY, ZARIA

NIGERIA

MARCH, 2018

PRELIMINARY PAGE (Fly Leaf)

- Empty (no content/blank) **white paper**.
- It is **not numbered**.



PRELIMINARY PAGE (Title Page)

- Content and surname are in **upper case**.
- Other names are in **lower case**.
- This page **starts Roman numbering as i**.

DESIGN AND CONSTRUCTION OF A COMBINATION LOCK

BY

Abdoulie Momodou Sunkary TEKANYI,

P15EGCM8001

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**500 LEVEL FINAL YEAR PROJECT SUBMITTED TO THE
DEPARTMENT OF ELECTRONICS AND
TELECOMMUNICATIONS ENGINEERING IN PARTIAL
FULFILMENT OF THE REQUIREMENTS FOR THE AWARD OF
BACHELOR OF ENGINEERING (B. ENG) DEGREE IN
ELECTRONICS AND TELECOMMUNICATIONS ENGINEERING**

AHMADU BELLO UNIVERSITY, ZARIA

NIGERIA

MARCH, 2018

PRELIMINARY PAGE (Declaration)

- Content statement of ownership confirmation in **lower case** “**standard**”.
- It has a **title** in **lower case** and enclosed in **inverted commas**, student’s **name**, **signature**, and **date**.
- It bears Roman number **ii**.

I declare that the work in this report/dissertation/thesis entitled “-----” has been carried out by me in the Department of -----. The information derived from the literature has been duly acknowledged in the text and a list of references provided. No part of this dissertation was previously presented for any degree or diploma at this or any other Institution.

Name
(Student)


Signature

Date

Sample:

I declare that the work in this report/dissertation/thesis entitled “Reduction of Packet Loss Rate Wireless Network using Forward Error Correction Technique” has been carried out by me in the Department of Communications Engineering. The information derived from the literature has been duly acknowledged in the text and a list of references provided. No part of this dissertation was previously presented for any degree or diploma at this or any other Institution.

Abdoulie Momodou Sunkary TEKANYI


Signature

07/03/2018
Date

PRELIMINARY PAGE (Certification)

- It has the **title** of the research topic in **upper case** and enclosed in **inverted commas**.
- Its content is in **lower case “standard”** statement of **authentication** of student's work by his/her **Supervisor, Project Coordinator, and Head of Department** by their **names, signatures, and dates**.
- **Surname** and **title of project** are in **upper case**.
- It bears Roman number **iii** (sample, next slide).

PRELIMINARY PAGE (Certification)

This project/dissertation/thesis entitled “-----” by ----- meets the regulations governing the award of the degree of Doctor of Philosophy (Ph. D) in Electrical Engineering of the Ahmadu Bello University, and is approved for its contribution to knowledge and literary presentation.

Prof. M. B. Muazu
(Chairman, Supervisory Committee)

Signature

Date

Prof. B. G. Bajoga
(Member, supervisory Committee)

Signature

Date

Dr. A. D. Usman
(Head of Department)

Signature

Date

Prof. S. Z. Abubakar
(Dean School of Post-graduate Studies)

Signature

Date

Sample:

This dissertation entitled “**REDUCTION OF PACKET LOSS RATE OF WIRELESS NETWORK USING FORWARD ERROR CORRECTION TECHNIQUE**” by Abdoulie Momodou Sunkary **TEKANYI** meets the regulations governing the award of the degree of Doctor of Philosophy (Ph. D) in Electrical Engineering of the Ahmadu Bello University, and is approved for its contribution to knowledge and literary presentation.

Prof. M. B. Muazu
(Chairman, Supervisory Committee)

mbmuazu
Signature

07/03/2018
Date

Prof. B. G. Bajoga
(Member, supervisory Committee)

bgbajoga
Signature

07/03/2018
Date

Dr. A. D. Usman
(Head of Department)

adusman
Signature

07/03/2018
Date

Prof. S. Z. Abubakar
(Dean School of Post-graduate Studies)

szabubakar
Signature

17/03/2018
Date

PRELIMINARY PAGE (Dedication)

- Its content is in **lower case, single paragraph**, and depends on the language the student chooses and also who he/she wants to dedicate his work to.
- It bears Roman number **iv**.

DEDICATION

This professional talk on “Academic Research Reporting: A Guide to Good and Acceptable Report/Dissertation/Thesis” is dedicated to Almighty Allah, my late parents, and all those who not only trained me but also passed valuable knowledge for others and I to benefit.

PRELIMINARY PAGE (Acknowledgement)

- Its content is in **lower case** and depends on each student to choose the language of acknowledgement for those he/she wants to express gratitude and appreciation to for their contributions to his/her work. The language should be formal and appropriate
- It bears Roman number **v**, sample, next slide.

PRELIMINARY PAGE (Acknowledgement)

Sample Acknowledgements:

I am grateful to Almighty Allah for giving me the life, health, and wisdom to be able to complete this research, to Prophet Muhammad (SAW) for his teachings which serve as benchmarks for encouragement, to my parents, wives, children, and siblings for the care, love and support during difficult times, particularly my late father and mother who could not live to witness the joy of receiving the MSc certificate they were longing for.

Sincere deep appreciation and special gratitude are to my dedicated supervisory committee, Prof. M. B. Mua'zu (Chairman) and Prof. B. G. Bajoga (member), as well as Dr. S. M. Sani for their valuable and indispensable contributions. May Allah reward you all abundantly, particularly the dedicated, hardworking, committed and distinct professor of telecommunications Engineering, Prof. B. G. Bajoga, who will remain an academic beacon for emulation. I enjoyed and valued each and everyone's support, especially Prof. M. B. Muazu.

To the Head of Department of Communications Engineering, Dr. A. D. Usman, colleagues, and staff, I thank you very much for the trust and confidence you have in me and assistance accorded me. The same sentiments of appreciation and gratitude go to Prof. S. Z. Abubakar and staff of School of Post-graduate Studies, as well as Prof. M. Dauda and staff of the Faculty of Engineering.

To the Vice Chancellor, Prof. I. Garba and Management of Ahmadu Bello University, as well as the Federal Government of Nigeria, I am sincerely grateful for the employment and for providing me with the financial support and necessary tools to perfect myself academically in order to contribute meaningfully to the national development.

I also acknowledge with gratitude the guidance I received from Mr. Bakary Bunja Darbo, former Vice President of The Gambia, Mr. Balla Musa Ceesay and Mrs. Saffiatou Betts-Ceesay, Aunty Nakris Davis, friends and colleagues in The Gambia, Guinea Bissau, Senegal, UK, and US. Thank you all for the comfort given to me throughout these years of studies.

Furthermore, I appreciate the contributions of authors consulted in the field of this research work and sincerely hope that this work will contribute immensely to knowledge and literary presentation.

“ALHAMDULILLAH”

Abdoulie Momodou Sunkary **TEKANYI**
Department of Communications Engineering
Ahmadu Bello University, Zaria, Nigeria.

PRELIMINARY PAGE (Abstract)

It is a page of **single line spacing** with a maximum of **300 (report)**, **500 (dissertation)**, and **750 (thesis)** words and it bears Roman number **vi** and contains the following in its content:

- Clear statement of research problem (**research gap**) to be resolved.
- Overview on **strengths and weaknesses** of researches conducted so far and **significance** of the research embarked on.
- **Method(s)** used by past researchers, including your own to achieve set objectives and the overall aim of the research.
- **Tool(s)**, model(s), technique(s), etc used and your own.
- Performance **metrics**, as well as **validation** and **valuation** methods used to authenticate findings and measure significant contribution(s) of results obtained and concluded with a clear statement.

PRELIMINARY PAGE (Content)

These pages (numbered **vii...**) are the **direct reflection** of what are represented in the text as first, second, third, and fourth tiers (levels) of headings as follows:

- First level headings are in **upper** case and **bolded**.
- Second level headings are in **title** case and **bolded**.
- Third level headings are in **sentence** case and **not bolded**.
- Fourth level headings are **italic sentence** case and **not bolded**.

PRELIMINARY PAGES (Figures, Tables, Plates, Appendices)

- These pages bear Roman numbers **x**, **xi**, **xii**, **xiii** and contain respective labels (exactly as in the text) of these elements listed in the table of content, including their respective Arabic page numbers.

Figure 1.3: Block Diagram of FEC Operation

...

Etc.

Table 2.3: FEC Correction Results

...

Etc.

Plate 3.5: Picture of FEC Schematic Layout

...

Etc.

Appendix A: FEC Results of Musa, *et al.*, (2017)

...

Etc.

PRELIMINARY PAGES (Abbreviations, Definitions, Glossary, and Symbols)

Page bears Roman number **xiv** and:

- All these elements used in the text must be explained/defined clearly.
- A term to be abbreviated must, on its first appearance, be spelt out completely and followed immediately by its abbreviated characters in parentheses.
- For example, I enjoy listening to the Russian Television (RT) full of facts.

CHAPTERS OF SIWES REPORT

1. CHAPTER ONE: GENERAL INTROCTION
2. CHAPTER TWO: THEORITICAL BACKGROUND OF THE SELECTED SIWES AREA
3. CHAPTER THREE: DETAILS OF TRAINING UNDERGONE DURING THE SIWES
4. CHAPTER FOUR: EXPERIENCE GAINED FROM THE TRAINING AND ITS APPLICATIONS IN FUTURE CARRIER
5. CHAPTER FIVE: LIMITATIONS, DIFFICULTIES, CONCLUSION AND SUGGESTIONS TO FUTURE SIWES STUDENTS

CHAPTER ONE

1. PREAMBLE OF SIWES
2. SIWES AIMS AND OBJECTIVES
3. MOTIVATION FOR SELECTION OF ATTACHMENT ESTABLISHMENT/COMPANY
4. TRAINING METHODOLOGY IN SIWES PLACE OF ATTACHMENT
5. SIWES REPORT OUTLINE

CHAPTER TWO

The number of headings in chapter two depends on the structure of the SIWES place of attachment:

1. 2.1 INTRODUCTION

2. 2.2

CHAPTER THREE

The number of headings in chapter three depends on what is covered at the place of attachment:

1. 3.1 INTROCUCTION

2. 3.2

CHAPTER FOUR

The number of headings in chapter two depends on the training you were exposed to at the place of attachment:

1. 4.1 INTRODUCTION
2. 4.2

CHAPTER FIVE

1. INTRODUCTION
2. LIMITATIONS OF THE SIWES TRAINING
3. DIFFICULTIES ENCOUNTERED/FACED DURING THE SIWES/TRAINING
4. SUGGESTIONS TO FUTURE STUDENTS
5. CONCLUSION

REFERENCES

Make sure that the list of references cited and used in the SIWES report are listed at the last page of the report in the APA format accepted by ABU and the Department.



**YOUR ATTENTION IS
APPRECIATED**

THANK YOU

**SEE YOU AT PART III
TALK**