

**A TECHNICAL REPORT ON STUDENT INDUSTRIAL
WORK EXPERIENCE SCHEME (SIWES)**

HELD AT

PRIME SURVEY LIMITED

ILORIN, KWARA STATE

BY

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ND/23/BLD/PT/0001

SUBMITTED TO

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**IN PARTIAL FULFILLMENT OF REQUIREMENT FOR THE
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CERTIFICATION

This is to certify this report was written by KAYODE CATHERINE TEMITOPE with Matric number ND/23/BLD/PT/0001 from the department of Business Administration, Kwara State Polytechnic, Ilorin.

INDUSTRIAL BASED SUPERVISOR

SIGN STAMP DATE

DEDICATION

This report is dedicated to Almighty Go, He who have been seeing me through all my activities during the course of this program.

ACKNOWLEDGEMENT

First and foremost my everlasting gratitude goes to almighty god for giving me the grace mercy and opportunity to be a successful partaker of the students industrial work experience scheme (SIWES).

My immeasurable thanks go to my great family for their contribution to my education and wellbeing MR and MRS. KAYODE (my parents).

With all due respect my profound gratitude goes to the entire staffs members of Kwara State Polytechnic, Ilorin for their contribution toward my academic journey and for the establishment of the Student Industrial Work Experience Scheme (SIWES) which has exposed me to the industrial-base knowledge, I gained during my training (skills). May the Almighty Allah bless and be with you all.

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CHAPTER ONE

INDUSTRIAL TRAINING FUND ITF AND SIWES

1.1 INTRODUCTION

Siwes, the student industrial work Experience scheme is a skill acquisition programmed that was Installed in 1973/1974 ITF was established In 1971 by decree 1 to 47 as amended In the 2011 ITF Act. Prior to the establishment of the scheme, there was a higher learning In Nigeria lacked adequate practical background Studies In Preparation for employment in the Industries. It was against this backup that the rationale for Initiating and designing the Scheme was hinged.

The students industrial work experience scheme (SIWES) is a skill training programs that prepare student of higher Institutes for industrial work against their graduating period it is a programme Inushing the students, the polytechnic and universities and industries. it was founded by the federal Government of Nigeria and jointly

Coordinated by I.T.F and national universities

Commission NUC

1.2 OBJECTIVES OF THE STUDENTS INDUSTRIAL WORK

EXPERIENCE

1. To make students acquire good work habit
2. prepare student for the work situation that are likely to meet after graduation
3. To increase student sense of responsibility
4. To Expose students to more practical work methods and techniques
5. to avoid students in adjusting from college to Full time employment

CHAPTER TWO

INTRODUCTION AND BRIEF HISTORY ESTABLISHMENT

PRIME SURVEY is an organization that has keen interest in surveying. It was established in the year 2017 which is situated along Offa road, Ilorin.

OBJECTIVES OF ESTABLISHMENT

Prime Survey is to accurately measure and record the physical features of a piece of land, collecting data to create detailed maps and plans, which are then used for construction projects, property boundary definition, and other land development activities, ultimately enabling informed decision-making about land use and development.

CHAPTER THREE

3:1 MY EXPERIENCE

During my SIWES program I was able to acquire necessary knowledge base on different aspect of buildings, materials and methods used in having a desire design of our clients dream.

3.1.1 During the program, I acquired the following knowledge

- a. **MEASUREMENT:** This is the act of knowing the length and breadth of a given piece of land. Measurement is required to know how much materials will be needed to achieve our clients goals. The followings are the examples of measurement used in surveying e.g building measurement using feet or meter.
- b. **COMPONENT OF BUILDING:** We have different component of building such as Structural components (foundation, walls, floors, doors, roof, etc), Exterior components (exterior walls, windows, roofing,), Interior components (interior walls, ceilings, floors, doors, windows), mechanical components (plumbing, electrical, fire suppression) and finishing components (finishes, fixtures, appliances, etc)
- c. **CLASSIFICATION OF BUILDING WALLS:** Building walls are classified based on location(exterior walls and interior walls), function (load-bearing walls, non-load bearing walls, partition walls, fire walls), construction (solid walls,

cavity walls, veneered walls), and materials (masonry walls, wooden walls, metal walls, glass walls).

- d. **BASIC BUILDING EQUIPMENT:** Basic building are as follows; electrical equipment (generators, transformers, lighting fixtures), plumbing equipment (water pumps, water heaters, toilet and sinks, drainage systems), Fire safety (fire alarms, smokedetectors), Security equipment (CCTV cameras, access control system, intruder alarms), etc.

3.1.2 IMPRTANCE OF SETTING OUT IN BUILDING CONSTRUCTION

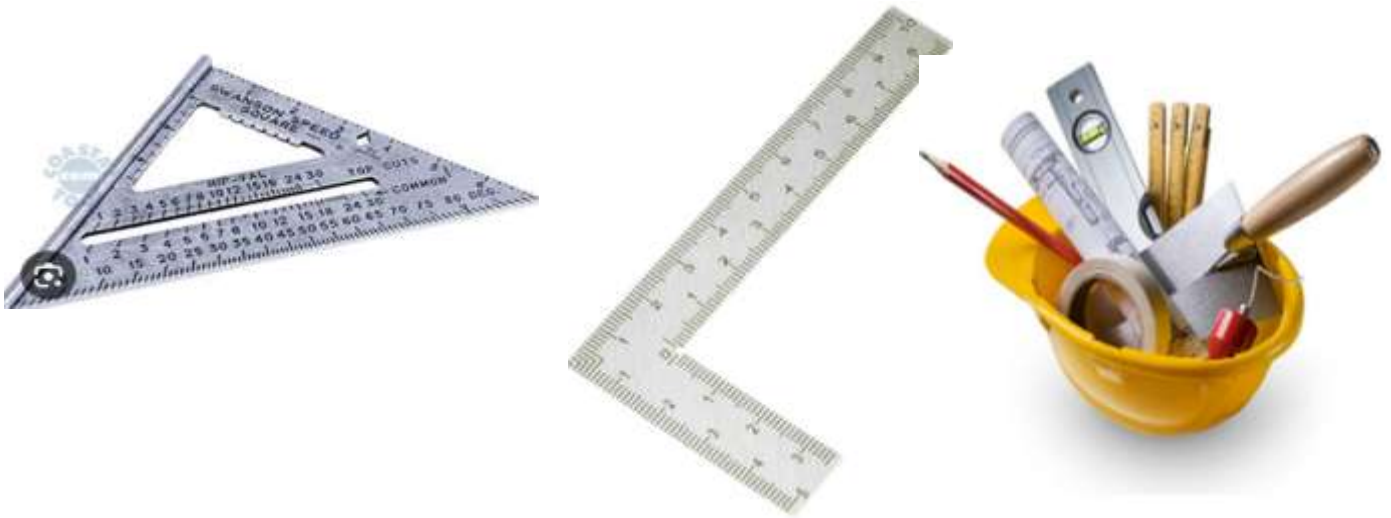
- a. Accuracy and precision
- b. Ensure compliance with regulation
- c. Prevent costly mistakes
- d. Enhancing site safety
- e. Improves projects efficiency

3.1.3 METHOD OF SETTING OUT

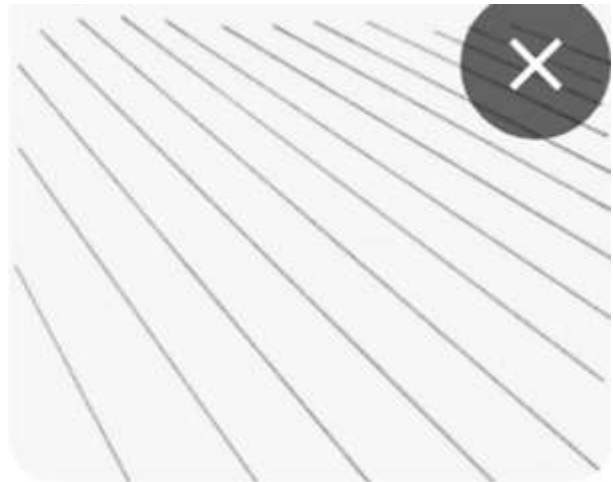
- i. Grid method
- ii. Profile board method
- iii. String and peg method
- iv. Theodolite method
- v. Total station method
- vi. GPS method

- vii. 3D scanning method
- viii. Optical square method

IMAGES OF BUILDING MATERIALS



SKETCH OF A BUILDING FLOOR



CHAPTER FOUR

4.0 CHALLENGES

Working in site has been a challenging activities for me but as time progresses, I later got adapted to the training and I found it so interesting with the help of my SIWES coordinator in the organization that I have taken my SIWES training.

CHAPTER FIVE

5.1 CONCLUSION

My three months industrial attachments with PRIME SURVEY LIMITED had been one of the most interesting productive and Instructive experience in My life

MY SIWES training with PRIME SURVEY LIMITED.

I can:

1. Work effectively in site
2. Take proper measurement of land and materials needed for construction
3. Identify different building tools and materials.

Other benefits includes:

- Good working ethics
- Discipline
- Time management
- Good financial record

All these valuable experience and knowledge that have gained were not on acquired though the direct involvement in the task but also through other aspects of the training such as: work observation interaction with colleagues, superior and other people related to the Field.

REFERENCES

<https://nigeriafinder.com>

<https://www.legit.ng>

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Manager, PRIME SURVEY LIMITED, Offa road, Ilorin, Kwara state, 2024.