A TECHNICAL REPORT

ON

STUDENT INDUSTRIAL WORK EXPERIENCE SCHEME (SIWES)

UNDERTAKEN AT

MINISTRY OF BUSINESS INNOVATION TECHNOLOGY

BY

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DECLERATION

I declare that this technical report of "student industrial work experience scheme (SIWES) is an original work by me under the supervision of Department of Building Technology Kwara State Polytechnic, Ilorin.

DEDICATION

This report is dedicated to God for His enabling strength he bestowed on me, giving me knowledge and understanding with the grace of getting through with the Four (4) months Student Industrial Work Experience Scheme (SIWES) training.

This is also dedicated to my parent Mr. and Mrs. Abdulmumin, siblings, friends, and the Ministry of Business , Innovation and Technology.

CERTIFICATION

I certify that **ABDULMUMIN ABDULAZEEZ TITILOPE with Matric No: ND/23/BLD/PT/0008** of Department of Building Technology, Institute of Environmental Studies, Department of Architectural Technology, Kwara State Polytechnic, Ilorin. Carried out is long essay under my supervision.

ACKNOWLEDGEMENT

I am grateful to God the sole provider of knowledge, Wisdom, Love, Mercy and Grace for his protections on embarking and completing the program.

I also appreciate space and form and their entire of the firm who offered me timely criticism and corrections that led me through the various and stages during the program.

I appreciate my parents, Mr. and Mrs. ABDULMUMIN, My siblings and for their unquantifiable love and financial assistance during this period. May God bless us and reap the fruit of our labor.

Moreover, I express my profound gratitude and immense thanks to all lectures, who are worthy of emulation. I hereby pray to ALMIGHTY GOD to crown their effort with is abundant blessings and continue to elevate their status to the highest position both in like ten and hereafter

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CHAPTER ONE

1.0 INTRODUCTION:

1.1 BRIEF HISTORY OF SIWES

SIWES was established by Industrial Training Fund (ITF) in the year 1973 to serve the problem of lack of adequate practical skills preparatory for employment in Industries by Nigeria Tertiary Institutions graduates The scheme educates student on industrial based skill essential for a smooth transition from the classroom to the world of work. Students of tertiary institutions is given the opportunity of being familiarized and exposed to the needed experience in handling machinery and equipment which are usually not available in the educational institutions parking in SIWES industrial training has become a crucial precondition for the award of diploma and degree certificates in specific disciplines in most institutions of higher learning in Nigeria in line with government education policies.

1.2 DEFINITION OF SIWES;

Student Industrial Work Experience scheme is a program organized by the federal government of the students to partake in two (2) months industrial training based on the course of study.

1.3 **OBJECTIVES OF SIWES**;

Expose student to work methods and techniques in handling equipment and machinery that may not be available in the institution.

Provided avenues for students to acquire industrial skills for experience during their course of study.

Provided student with the opportunities to apply their educational know in real work situation, thereby bringing the gaps between theories for practice.

1.4 Safety Rules and Regulations

Building Codes and Standards

1. International Building Code (IBC): A model code that sets minimum safety standards for building design and construction.
2. International Residential Code (IRC): A model code that sets minimum safety standards for one- and two-family dwellings.
3. Americans with Disabilities Act (ADA): A federal law that requires buildings to be accessible to people with disabilities.
4. National Fire Protection Association (NFPA): A non-profit organization that develops and publishes fire safety standards.

CHAPTER TWO

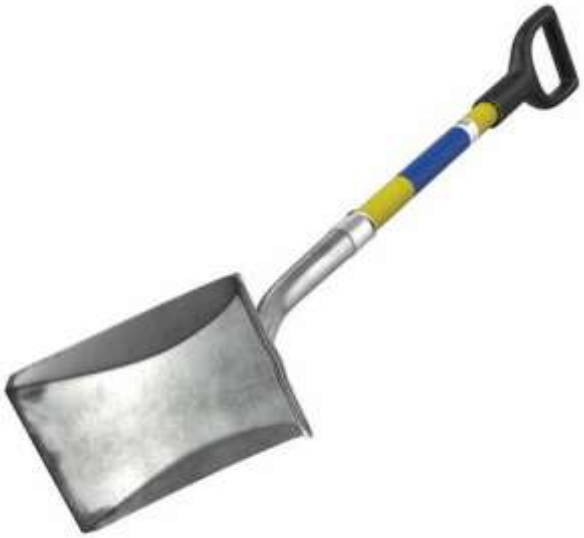
2.0 **Equipment use on site**

These are instrument used on site

1. Shovel

On a construction site, shovels are essential tools used for:

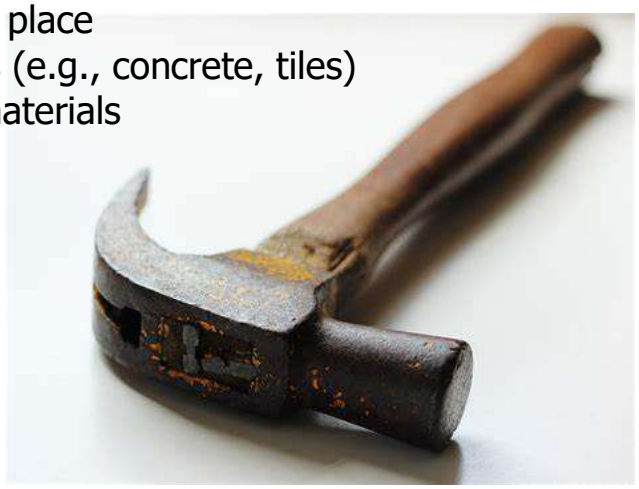
1. Digging foundations, trenches, and holes
2. Moving soil, sand, gravel, or other materials
3. Backfilling and leveling ground



2. Hammer

On a construction site, builders use hammers for various tasks, including:

1. Driving nails into wood
2. Tapping pieces into place
3. Breaking up objects (e.g., concrete, tiles)
4. Shaping or fitting materials



3. Bar

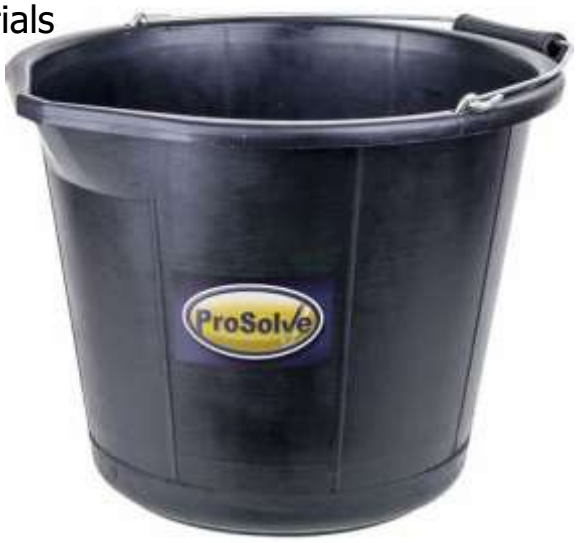
A bar (also known as a crowbar or pry bar) is used by builders for various tasks, including:

1. Prying and lifting heavy objects
2. Removing nails or other fasteners
3. Breaking up or demolishing structures
4. Aligning or adjusting building components

4. Bucket

On a construction site, a bucket is used by builders for:

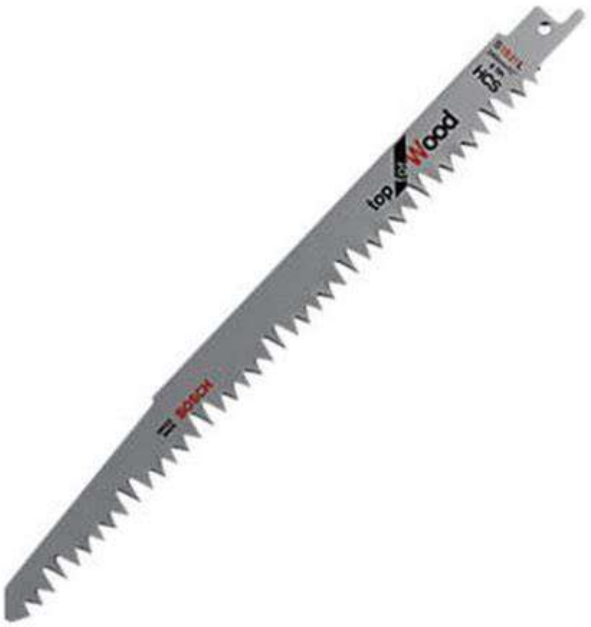
1. Carrying and transporting materials (e.g., concrete, mortar, sand)
2. Mixing and holding materials
3. Scooping and pouring materials



5. Saw Blade

On a construction site, saw blades are used for:

1. Cutting wood (e.g., lumber, plywood)
2. Cutting metal (e.g., pipes, profiles)
3. Cutting concrete, masonry, or stone



CHAPTER THREE

1.1 SUMMARY

Student industrial training experiences scheme (SIWES) provide student with appreciable skill designed to expose or equip them with real life working experience. Student knowledge increase maturely and understanding of their own career goals and for the progress of the nation.

1.2 CHALLENGES FACE DURING SIWES

1. Limited Practical Experience: Students may feel that they lack the necessary practical skills to perform tasks efficiently.
2. Time Management: Balancing work and academic responsibilities can be challenging.
3. Financial Constraints: Students may face financial difficulties, such as transportation costs or living expenses, during SIWES.
4. Safety Concerns: Students may be exposed to hazardous working conditions or equipment.
5. Supervision and Feedback: Inadequate supervision or feedback from

supervisors can hinder students' learning experience.

6. Technical Challenges: Difficulty in operating equipment or software due to lack of training or experience.
7. Self-Confidence: Students may struggle with self-doubt or low self-confidence, especially when faced with new challenges.

1.3 RECOMMENDATION

I recommend that SIWES should provide places for industrial attachment for student, Industrial Training Fund (ITF) should pay some allowance to student and the company should provide safety equipment to prevent further environment and health hazards.

Institution should be encouraged to create financial autonomy for institution based SIWES unit directorate.

1.4 CONCLUSION

In conclusion as a student of Architectural Technology, I have been able to obtain the relevant and effective practical training and experience in a duration of four months (4) have been to know what presentation and working drawing are meant to be and so much more.

Finally, I would like to state that the SIWES program is a relevant and necessary program for all students that must an advantage for each student's professional prior to graduation.