



TECHNICAL REPORT ON STUDENT INDUSTRIAL WORK EXPERIENCE SCHEME (SIWES)

UNDERTAKEN AT

B.A. & ASSOCIATES

ADJACENT OPEN UNIVERSITY ALONG FEDERAL ROAD, KULENEDE AREA,
ILORIN KWARA STATE

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DEDICATION

Firstly, I want to dedicate this work to the Almighty Allah who saw me through the period of internship, gracing me with wisdom, strength, knowledge, understanding and unending list of great things.

Also, I dedicated this report to my parents, MR. AND MRS. SANUSI for their love, care and support since the time I was born till this moment. I say thanks to my parents.

I am also grateful to my family and friends who has always been there for me in term of need and supports. Thanks to you all.

ACKNOWLEDGEMENT

The favour of God that went before me cannot be overlooked. Allah saw me through my stay at B.A. & Associates. I want to thank him for the wisdom and speed he gave to me to adapt to the work, he protected me, ordered my steps, he gave me good health and speed, blessed the work of my hand. I am indeed grateful.

My profound gratitude goes to my lovely parents Mr. and Mrs. SANUSI for their active role as a parent, throughout my training. I really want to appreciate all my friend for their love and support too. God Bless you all.

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CHAPTER ONE

1.1 INTRODUCTION/MEANING OF SIWES

SIWES was established by Industrial Training Fund (ITF) in 1973 to solve the problem of lack of adequate practical skills preparatory for employment in industrial by Nigerian graduates of tertiary institution.

The scheme exposes student to industry based skills necessary for a smooth transition from the classroom to the world of work. It affords student of tertiary institution the opportunity of being familiarized and exposed to the needed experience in handling machinery and equipment which are usually not available in the educational institution.

Participation in SIWES has become a necessary pre-condition for the award of Diploma and Degree Certificates in specific discipline in most institution of higher learning in the country, in accordance with the education policy of government.

1.2 BRIEF HISTORY OF SIWES

SIWES was founded in 1973 by ITF (Industrial Training Funds) to address the problem of tertiary institution graduates' lack of appropriate skills for employment in Nigerian industries.

SIWES is the Student Industrial Work Experience Scheme students are out annually to professional organization relevant to their course of study with the help of the institution based coordinator. The scheme takes up at the end of the first year during the ND programme for science oriented course, study in polytechnics.

1.3 PURPOSE OF SIWES

In the earlier stage, student are graduating without any technical knowledge or working experience and this makes them to undergo further training after securing an employment. With this reason, student industrial training was established.

During this programme, as designed by the ITF, student are expected to get technical assistance and acquire more experience scheme in their chosen field of study and exposed them to the usage of source machines and safety precaution where relevant before the completion of their programme in their various institutions.

1.4 AIMS AND OBJECTIVE OF SIWES

1. To provide an avenue for student in the Nigerian Institution to acquire industrial skills and experience during their course of study.
2. To prepare students for the work situation they are likely to meet after graduation.
3. To expose the student to work method and techniques in handling equipment and machinery that may not be available in their institution.
4. To allow the transition phase from school to the world of working environment easier and facilitate students contact for later job placements.

5. To provide student with an opportunity to apply their theoretical knowledge in real work situation thereby bridging the gap between theory and practice.

CHAPTER TWO

2.1 HISTORY OF THE ORGANIZATION

B.A. & Associates are a team of building Professionals, passionate about sustainable building construction. Delivery of Architectural Masterpiece and always ready to serve our clients to the best of our Capacity. At B.A. & Associates Integrity is our watchword.

We offer all Architectural Services ranging from low cost to luxury residential buildings, commercial, social and other types of building use, Interior design, furnishing and finishing and construction of buildings as well as project management services. The company intends to kick start an Interior Academy wing and lightweight quality Blocks and Bricks Production wing of the company in the medium term goals.

2.2 INSTRUMENTS

- Tracing paper
- Eraser
- Pencils
- Drafting board
- Drafting compass
- Ruler

- Sketch book
- Architect scale ruler
- Compass
- Liner pens
- Pens
- T-square example
- Drawing board
- Cutting mat
- Adjustable triangle
- Drawing tube
- Digitizer tablet

CHAPTER THREE

3.1 EXPERIENCE ACQUIRED

We the SIWES students are interviewed by the General Manager of B.A. & Associates we are given lecture by the supervisor of company **Mr. Amole A.J.** he shows us some departments that we need to know.

Note: we able to gained a lots in B.A. & Associate

3.2 WORK DONE

During my SIWES program at B.A. & Associated. I did so much work such as:

✓ **Floor Plan:** A floor plan is a scaled, two-dimensional diagram or drawing that depicts the layout of a room, building, or floor, viewed from above, showing the relationship between rooms, spaces, and physical features.

Here's a more detailed explanation:

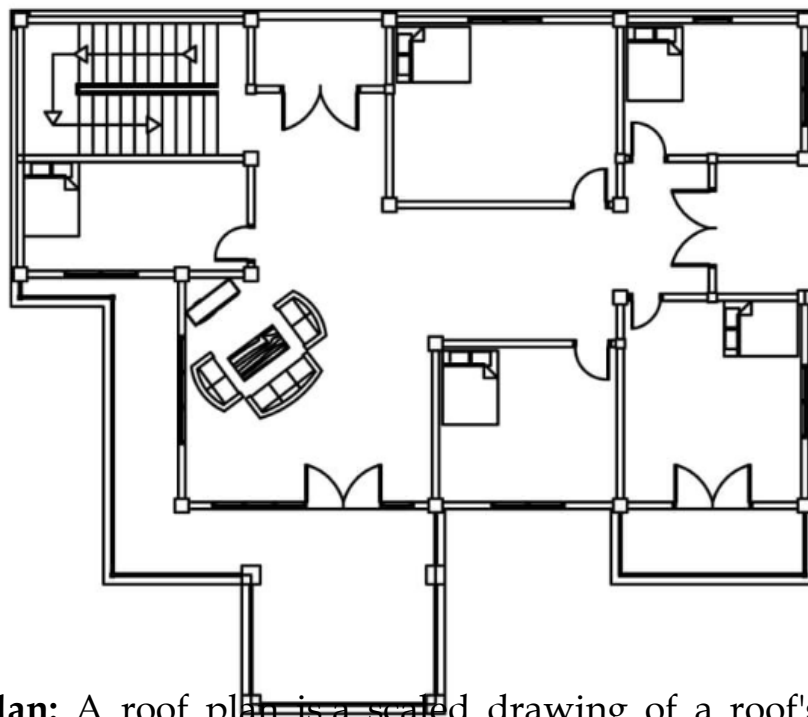
Purpose: Floor plans are used to visualize and plan the layout of a space, helping with tasks like furniture placement, wiring, and understanding the flow of movement within a building.

Elements: They typically include walls, doors, windows, stairs, and sometimes furniture, appliances, and other fixtures.

Scale: Floor plans are drawn to scale, meaning the dimensions on the plan accurately represent the real-world dimensions of the space.

Types: Floor plans can be 2D (flat) or 3D (providing a more detailed illustration of the home layout).

Uses: Floor plans are used by architects, designers, builders, real estate agents, and homeowners to plan, visualize, and understand building spaces.



✓ **Roof plan:** A roof plan is a scaled drawing of a roof's design and structure. It shows the roof's dimensions, materials, and placement. Roof plans are used to guide construction and ensure that the roof meets structural and aesthetic requirements.

What's included in a roof plan?

- **Dimensions:** The size, shape, and pitch of the roof
- **Materials:** The type of shingles, metal panels, and other materials used
- **Features:** The location of doors, windows, chimneys, and dormers
- **Slope:** The roof's pitch and slope
- **Ventilation:** The location of vent pipes and other ventilation
- **Drainage:** The location of roof drains and drainage systems

Important of Roof Plans

- They ensure that the roof is constructed correctly
- They help ensure that the roof complies with building codes and standards
- They help ensure that the roof is structurally sound and weather resistant
- They help ensure that the roof meets the architect's or designer's vision



- ✓ **Site Plan:** A site plan is a drawing that shows what will be built on a piece of land, including any existing improvements. It's also known as a plot plan.

Purpose:

- Shows how the land will be used
- Helps building officials check zoning and building codes
- Ensures that construction meets access, privacy, and other needs

Who uses site plans architects, landscape architects, urban planners, and engineers.

What's included

- Property boundaries and lot dimensions

- Location of structures
- Landscaping
- Construction
- Paving
- Utilities
- Terrain features
- Easements, which are features of the property that are shared by others
- Construction limits, which show where construction will take place

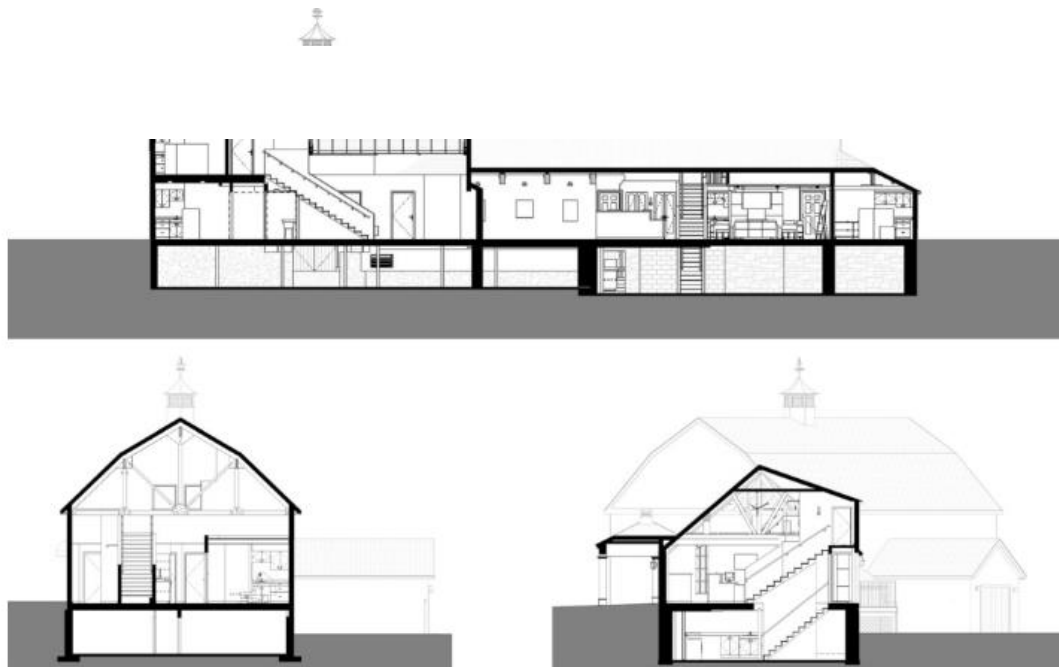
How to create a site plan

1. Determine the property boundaries and lot dimensions
2. Determine the location of structures
3. Draw the site plan
4. Check the drawing and make copies

The key to producing a useful section is to “cut” through the most typical building volumes. This helps viewers understand the structure as a whole, and major relationships between spaces.

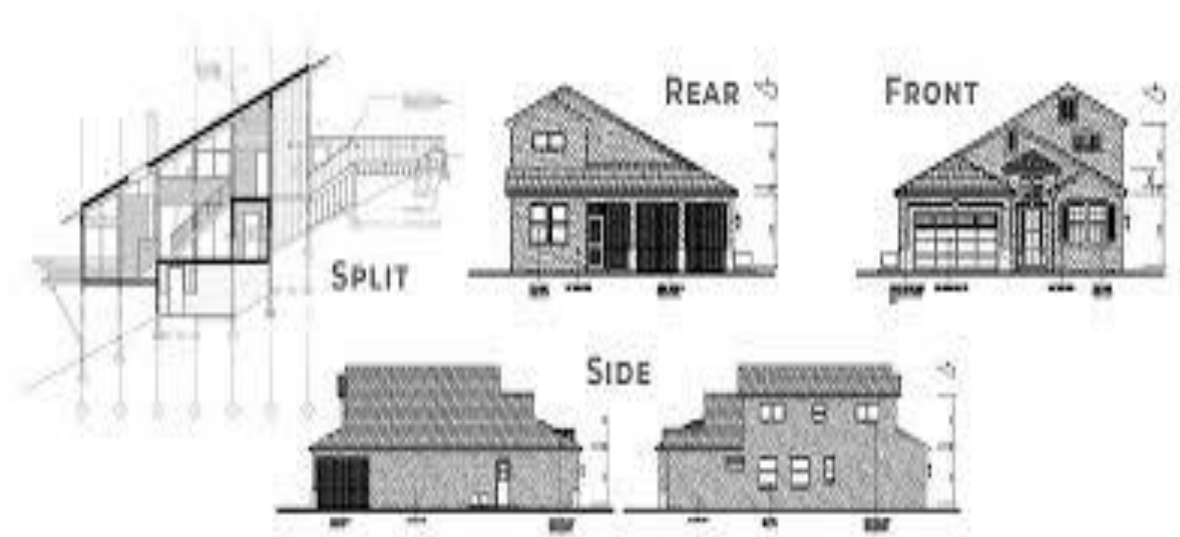
In addition to general building sections, there are other types of sections, including:

- **Sectional elevations.** These drawings not only show the cut, they also show the features beyond the cut, usually drawn in thinner lines, to help viewers understand the volumes in the foreground against the other volumes beyond.
- **Sectional perspectives.** This type of drawing shows the cross section, then a perspective of the spaces beyond. Sectional perspectives can be very expressive or informative.
- **Section details.** These drawings are a small part of the larger section, zoomed in to show more detail about how materials come together.



- ✓ **Elevation:** At its core, an elevation is a scaled, flat representation of one side of a building or structure. It provides a comprehensive view of the exterior façade, highlighting key architectural features, such as doors, windows, materials, and proportions.

The four elevations of a house include the front, rear, left side, and right side elevation. These elevations provide a comprehensive view of the building's exterior from different perspectives, allowing designers and architects to accurately depict the structure's dimensions, features, and aesthetic appearance.



- ✓ **Site Inventory:** A site inventory is simply a list of elements that currently exist on the property. Elements that exist on adjacent properties should also be considered if they impact the future design.

CHAPTER FOUR

4.1 EXECUTIVE SUMMARY

SIWES is the Student Industrial Work Experience Scheme. Student are out annually to professional organization relevant to their course of study with the help of the institution based. Coordinator and the scheme takes up at the end of the first year during the ND programme for science oriented course study in polytechnics. The scheme was established by the ITF (Industrial Training Fund) to solve the problem of lack of adequate practical skills. During this programme, student are expected to get technical assistance and acquired more experience scheme in their chosen field of study.

CHAPTER FIVE

5.1 CHALLENGES ENCOUNTER

Honestly speaking, I faced a little bit challenged during my SIWES program;

- The place of my attachment is very far to my house
- Lack of available industry in the location of some student.
- High cost of transport fare from student resident to the location of the attachment.
- Laziness of some student during the attachment.

SOLUTION

- Government should increased their investment on establishing companies for science oriented student.
- Their should be a certain amount to be paid to the student during the attachment.
- Their should be a monthly check on the student during the attachment.

5.2 RECOMMENDATION

I want to say a very big thank you to the government for introducing the SIWES programme which helps in motivating students in their course of study and also to increase the knowledge and understanding of students on their future endeavor.

I will advice the government to ensure the supervisor to supervise all students involved in the program and also encourage them by paying a token amount to the student in order to motivate and release the burden to transport fare being complained by students.

Student should be aware that SIWES is not for money acquisition rather it for knowledge and practical exposure to their course of study.

5.3 CONCLUSION

Student Industrial Work Experience Scheme (SIWES) is a scheme that improved the technical knowledge of student in the Nigerian institution. The scheme expose student to work method and techniques in handling equipment and machinery that may not be available in their institutions. It is a good process that every science oriented course must undergoes.

As for me, the SIWES I undergoes in News and Current Affairs exposed me to the practical aspect of News and Editing. It widening my knowledge and skill on the discipline the scheme equips student properly to fact any future challenges pertaining to the News and interview.

Lastly, big thanks to the Industrial Training Fund (ITF) for the establishment of SIWES which now serves as an opportunity for we students of the Nigerian Institution.