

TECHNICAL REPORT ON STUDENT INDUSTRIAL WORK

EXPERIENCE SCHEME (SIWES)

HELD AT

KCC PHARMACEUTICAL COMPANY ILORIN

BY

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DEDICATION

I dedicate this report to God, the one who has given me the privilege to write this report. I also want to appreciate my wonderful parent and siblings for the support and faith in me.

ACKNOWLEDGEMENT

My profound gratitude be unto Almighty God for all he has done and will continue to do in my life, for the successful completion of my SIWES program.

My dedication goes to my parent for their spiritual and financial support which they have contributed tremendously to the success of my education. I wish them long life and prosperity.

I also acknowledge the entire staff of kcc pharmaceutical company Ilorin for their support during the course of my training

I appreciate the effort of my lecturers and the HOD of my department for impacting knowledge into my life, may God bless you all. (Amen).

ABSTRACT

The student industrial work experience scheme (SIWES) was established in 1975. The main aim of the scheme was planned by the national board of technical education to provide a more practical experience to all students to know more about practical aspect of this' course which had already been thought theoretically aspect during the school. It also expose all students to the things contained in their course and relevant professions.

This industrial attachment also affords all students the opportunity to mixed up and interact with different kind of students from various institutions.

Industrial attachment prepares all students with skills and experience that is required for employment in the labour market after their courses. Also introduce worth ethics which make the students relate with other people during the course of their studies. It also aids the students to bear good character un any organization they may find themselves.

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CHAPTER ONE

1.0 INTRODUCTION

Student industrial work experience scheme (SIWES) was introduced by a federal government of Nigeria in the year 1976 for all student in higher institution i.e. college of technology, college of education, polytechnic, monotechnic and universities in other to aid all the sciences and technology students to provide them a solid practical experience in their various course of study.

1.1 DEFINITION OF SIWES AND HIGHLIGHT AIM AND OBJECTIVES

SIWES is defined as a student industrial working experience program in which the students have details practical about the theoretical aspects of what they taught them in their various institutions.

- To aid students to have more practical experience
- To enable them to gain more exposure to what they are not taught in their school.
- It helps students on how to supervise the project.
- It aids them to know how to handle and control administer their firms in future purpose.
- To enable students to tackle or solve any problem facing them personally without contracting or consulting anybody in the various profession
- It make student to know how to attend to client
- To fill the gap between the class work and actual practical work.

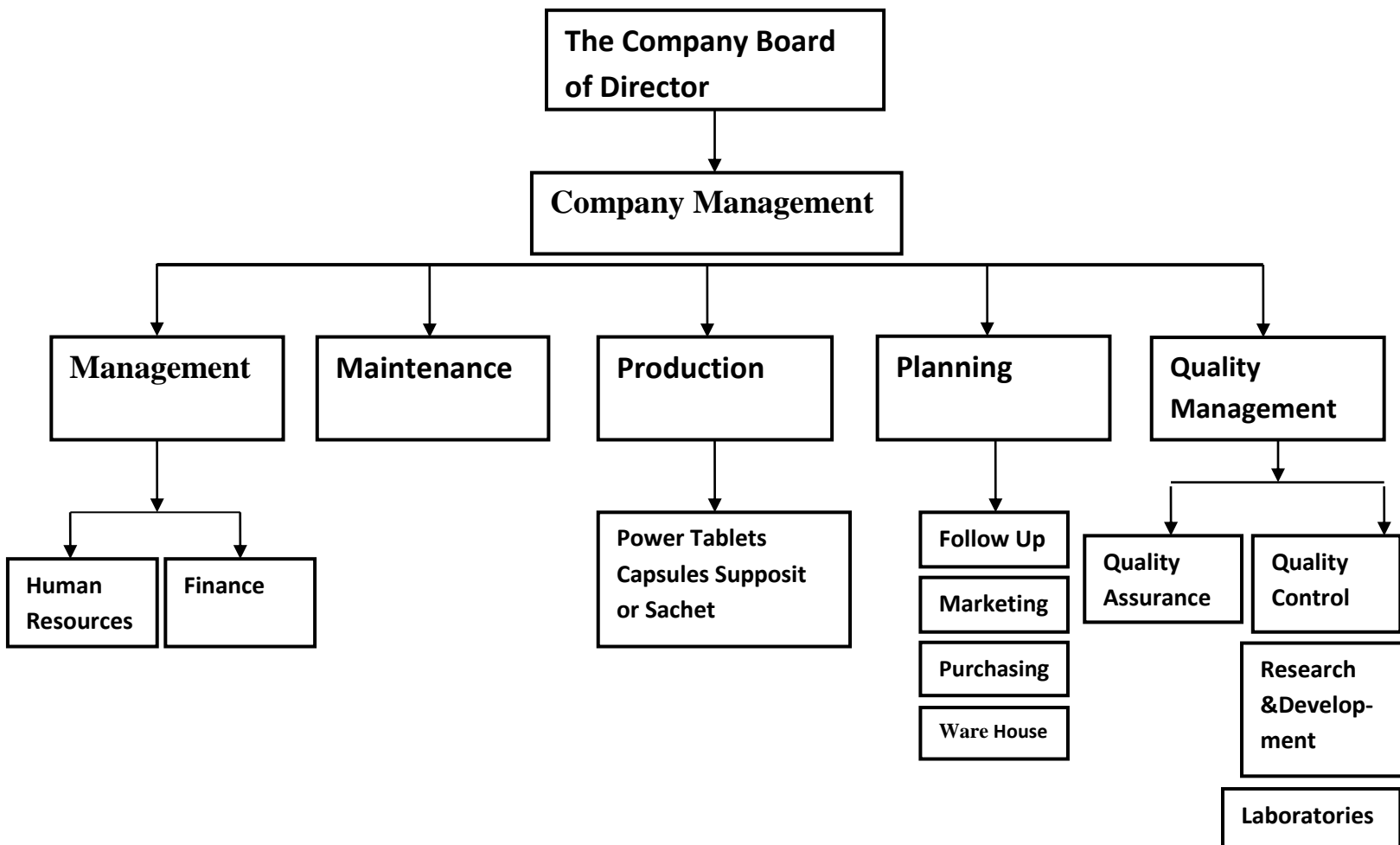
1.2 HISTORICAL BACKGROUND OF KCC PHARMACEUTICAL COMPANY

Kcc is a pharmaceutical manufacturing company dedicated to delivering high quality healthcare product for both human and veterinary use. Founded in 1995, the company has built a strong reputation in the industry for its customer relationship management and values driven operation.

Kcc was established with a passionate desire to serve humanity through the provision of quality pharmaceutical products. Their product portfolio and pipeline of future medicine reflects their focus on analgesics, anti-malaria, vitamin, anti-diarrhea, hematinics, antacid, expectorants, nasal decongestant, anti-biotic and corticosteroids, where outcome is a quality of life.

This organization is surrounded with different professions in order for the organization to work to be effective.

ORGANIZATION CHART OF KCC PHARMACEUTICAL COMPANY



CHAPTER TWO

2.0 MAJOR ACTIVITIES OF THE ORGANIZATION

Research and Development (R & D): Discover, develop, and test new medicines.

Manufacturing and Quality Control: Produce and ensure the quality of medicines.

Marketing and Sales: Promote and distribute medicine to healthcare professionals and patients. Regulatory Affairs: Ensure compliance with regulatory requirements and manage interactions with regulatory authorities.

2.1 SECTION/UNIT OF THE ORGANIZATION AND THEIR SPECIFIC FUNCTIONS

Various departments of KCC pharmaceutical company and their functions are as follows:

- Securities
- Admin
- Cloakroom
- Granulation Department
- Compression
- Blistering
- Syrup Department
- Printing
- Store (Raw Material Store)

- Finished Goods Store
- Quality Control 1
- Quality Control 2
- Café (for eating)
- Maintenance Department

Security Department: They are the department responsible for ensuring the safety and security of the facility, employees, and assets.

Functions of the Security Department

- Access control: Monitor and control entry/exit points in the facility.
- Maintain CCTV cameras to monitor the premises.
- Respond to emergencies such as fire and security breaches.

Administration Department: This is the department responsible for managing the administrative functions of the organization, including human resources, finance, and facility management.

Functions

- Manage employee records, benefits, and training.
- Handle company budgeting and financial reporting.
- Oversee maintenance, utilities, and facility operations.

Cloak room: This is a designated area where employees change into uniforms, store personal belongings, and practice good hygiene.

Functions

- Provide a designated area for employees to change into uniforms.
- Store employees' personal belongings such as bags and phones.
- Promote good hygiene practices such as handwashing and sanitation.

Granulation Department: They are responsible for mixing and granulating raw materials to create uniform powder blends for pharmaceutical products.

Functions

- Mix raw materials to create uniform powder blends.
- Create granules through various processes, such as wet granulation.
- Dry granules to remove excess moisture.

Compression Department: They are responsible for compressing granules into tablets or filling capsules with powder or granules.

Functions

- Use presses to compress granules into tablets.
- Monitor tablet/capsule quality during production.

Blistering Department: They are responsible for packaging tablets in blister packs for distribution.

Functions

- Place tablets/capsules in blister packs.
- Inspect blister packs for defects and quality.

Syrup Department: They are responsible for preparing liquid pharmaceutical formulations such as syrup.

Functions

- Fill liquid formulations such as syrup.
- Cap and label bottles of liquid products.
- Filter liquids to remove impurities.

Printing Department: They are responsible for printing packaging materials and other documentation for pharmaceutical products.

Functions

Print labels for product packaging.

Print packaging materials such as cartons.

Store/Raw Material Storage: They are responsible for receiving, obtaining, and storing raw materials used in production.

Functions

- Receive and store raw materials.
- Dispense raw materials to the production area.

Finished Goods Store: They are responsible for receiving, storing, and managing finished pharmaceutical products.

Functions

- Receive and store finished products.
- Dispatch finished products to inventory levels.

Quality Control: They are responsible for conducting specialized testing such as microbiological testing to ensure products meet regulatory standards.

Functions

- Test products for microbial contamination.
- Monitor product stability.

Café: Provide quality food to employees.

Functions

- Provide meals and refreshments for employees.
- Manage canteen operations, including maintenance and sanitation.

Maintenance Department: Responsible for maintaining equipment, machinery, and facilities to ensure smooth operations.

Functions

- Routine maintenance on electrical and mechanical equipment.
- Cleaning and lubricating machine parts.
- Repair and replacement of defective machine parts.

CHAPTER THREE

3.0 THE ACTIVITIES INVOLVED IN THE ORGANIZATION

During my siwes program at kcc pharmaceutical company at No5, Oko-erin road, Ilorin, Kwara State. I was posted under Maintenance department.

We (i.e the maintenance) are responsible for inspecting electrical equipment such as switchgear, to identify potential issues.

We also test and replace circuit breakers and fuses to ensure electrical system reliability.

We perform routine maintenance on electric machines, including cleaning, lubricating, and tests. We clean the panel with the air use of a hand blower in order to blow out every dust out of it, and we also clean the AC by removing its filter and washing it with water.

We inspect and maintain electrical panels, including cleaning them and replacing components.

Before any repair or replacement is done, we (the maintenance team) will have to write to the company's managers for approval and their signature. Once they give us their signature, only then can we go and buy whatever is needed, but only if it is not available at the company's store.

Before the replacement or repair is done, we make sure to show the securities what we bought before finally replacing the damaged component with a new one

CHAPTER FOUR

RECOMMENDATION AND SUGGESTION

KCC pharmaceutical company Ilorin is very organized and there is coordination among different department of the organization and their staffs are punctual and regular at work, ready to share their experience with students and they are friendly.

SUGGESTION TO KCC PHARMACEUTICAL COMPANY

The organization should organize seminar at least once in a month on practical training in which students have learned from various department so that there will be an opportunity of asking question and answer.

- Advising student and word of an encouragement to all students in organizing during the SIWES programme.
- Organization should draw the attention of all student so that they will be able to contribute to the progress of the organization by their suggestion.

SUGGESTION TO THE KWARA STATE POLYTECHNIC

- The polytechnic should choose supervisor from each department or lecturers from other institution that are relevant to the field of student for supervisor in order to put students through in their training.
- The polytechnic should base and specialized on how and where to be attached in relevant to their course are professional job.

RELEVANT EXPERIENCE GAINED IN SUMMERY

- I was taught how to take proper care of electrical component
- I also learned how to communicate with others
- Changing of bulb, socket and repairing of extension box are also part of what I gained.

CHAPTER FIVE

5.0 CONCLUSION

The student industrial work experience scheme program has been of help to me irrespective of my course due to the fact that it enlightened me and some students better on our field of study and life as a whole.

The student industrial work experience scheme (siwes) was design by the federal government of Nigeria to equip students or various discipline in applied science engineering and environment student to have practical insight of all what they have been taught in their various institution.

Therefore, I urge the federal government of Nigeria to provide more fund to the industrial training fund (ITF) in order to pay SIWES students at the appropriate time to encourage involvement of students in the training.