

CHAPTER

1.0 INTRODUCTION

I am a builder; I acquired this craft through attending vocational training practices in one of the vocational training institutions of South Sudan. In South Sudan, constructions were traditionally built and differ from locality to locality and every tribe has their own cultural technology and principles for buildings houses inherited from their ancestors. The types of building includes grass roof buildings, tiled roof buildings with mud walls, stone buildings, Red burnt bricks buildings, green mud block buildings, cement block buildings, asbestos roof buildings with timber walls etc. Some of the skills were learned from the British colonist during their colonial era in Sudan and others were imported from the neighboring states.

As a builders it is the challenge now to attain skills that will enable development in South Sudan to improve the current types of buildings; other wise as a builder; I have to improve my skills to identify the types of buildings that I can apply for development of South Sudan.

1.1 MY PROFESSIONAL PRACTICE AS A BUILDER.

I am a build my craft skills that I can disseminate effectively within my professional practice as a builder are masonry building, brickwork building, block work building, plastering, flooring, drainage skills etc. getting experiences in the above skills will qualify one to be a mason, bricklayer, concreter, plasterer, block layer etc.

I am describing my professional practice taking the responsibility and experiencing the challenges in the skills; I have owned the skills from learning institutions and in the workplaces and it is embedded to me and is mine. As written by author Dr. Thomas Gordon

Reference to Author Dr. Thomas Gordon with his Book title: Teacher Effectiveness Teacher T.E.T which says, quote I-messages put responsibility for what is happening where it belongs – within the teacher, inside the person experiencing the problem. Another name for me- message might be responsibility – taking messages.

1.2 ACQUISITION OF SKILLS AND KNOWLEDGE:

I have obtained the skills and knowledge through attending to vocational training practices in vocational training institution where I have been taught the skill practice, the basic accompanying related knowledge,

basic calculations and estimates, basic map and plan sketching and English as the language for the communication.

One of the building practices I know is the indigenous building practice of a grass roof hut.

What is influencing a person to build a hut or house?

A person can decide to have a hut or house when he recognize himself to be mature and able to have belongings such as beds, chairs, tables, cupboards, etc that need to need a security care.

A builder is influenced to build huts to enable him have the qualities of man within his community during his active service in his generation era.

How to choose the size of the hut/ what is determining the size of the hut?

The size of a hut is the choice of the client and the availability of the materials within the vicinity.

How to choose the location/what is deciding the location a new building?

The location of a new building depends on very many reasons, but mentioning the major reasons, one is the ownership, second the (topography) geographical nature of the ground, three is the use of the building etc.

How to choose the direction/ what is deciding the direction of the new building?

Within my competence, I learned that our African strong wind comes from the North-East directions and that wind is called monsoon wind, it is the strongest wind taking away building roofs and for this building gable ends are facing that North -East direction.

The second reasons is the sun rise; when your openings are facing East-West directions which has the strong sun rise, then the insides areas of the rooms will be affected by direct sun heat.

How to choose a plan/ what is deciding the plan of a new building?

The cost of the building of the plan determines, encourages the client and the type of the plan shall be

recommendable to the site by the land authority.

How to choose the height/ what is deciding the height of the building?

Normally the heights of a building is determined by the size of a building and for ordinary building which has only one flat which the ground floor the heights range from 2.50 -3.75 meters, the reason is tall buildings attracts strong winds which when enters the rooms through the ventilations from the eaves cause damage to building roofs.

How to fix the grass and what is the important consideration when using grass for the roof?

The first thing to see to it that the poles are treated with anti- termite drug, the fibers are mature, long and strong, the grass are enough and the bamboos are already thatched to enable you to put the grass on top of the bamboos for grass thatching.

Why does grass get put on the roof?

Grass is used as a roof covering to bring security to the inside area of the rooms, protect it from rain, strong wind and any other not wanted element blown by wind.

What will happen if the termites enter into the grass?

Termites are dangerous insects to the grass, they can eat and destroy the grass from the building roof and cause linkages of water into the rooms during the rain and secondly they carry the soil up into the roof and cause to fall into the rooms and interrupt the peace of the occupants.

1.3. PROBLEM STATEMENT:

The project report is a document that uncovers that professional practices of the students that can be improve during the four year Bachelors Degree program. This report is for finding out if students acquire their skills through formal learning or in a workplace.

How can I uncover/ discover and document the competence which is embedded into my professional practice as a builder?

My existing challenges and tasks that I need to put much effort is to discover and document my professional practice to enable it easy for others to know and work on it without false result.

The challenge is how I can do it practically, but they are not easily document without making the action for others to see when doing it. As stated in the book :(Donald A. Schon) Title: 'How professionals think in action' stated that; Quote “I begin with the assumption that more than they can say, “they exhibit a kind of knowing-in practice, most of which is tacit”.

HOW TO DISCOVER AND DOCUMENT THE TACIT KNOWLEDGE:

The tacit knowledge documentation needs the actual practical procedures of doing things and in doing practical action, tacit skills will be uncovered where the tacit knowledge will be for describing the action done and it will be easily documented. Therefore without practical skills performances are not easy to write down the tacit knowledge.

Here I mean to say that, I had acquired little knowledge and skills in the formal learning, but most of the experiences of the competences were obtained from the workplace which some of the skills, I can do practically but difficult to describe in writing and they are tacit.

1.4 OBJECTIVES

To enable the student discover and document the craft skills implemented in the south Sudan

To enable student describe his/her own craft professional competences in in-depth descriptions

To assess the learning progress of every individual student

RESEARCH QUESTIONS:

Reflecting on the project report theme and the curriculum designed, I would sum up the research question as stated below:

1. How shall I discover the skills, competences and document them for my professional

competences?

1.5 SUMMARY

In this chapter one, I have described my own professional practices as a builder, describing the types of buildings and its main task with its qualifications, ways of obtaining the skills and abilities of encountering the challenges in the building craft and the organization of the report.

1.5.1 ORGANIZATION OF THE PROJECT REPORT EXAM:

My Project report exams document portray the following:

Chapter 1

1.0 Introduction

1.1 My professional practice as a builder

1.2 Ways and areas of obtaining the skills

1.3 The problem statement

1.4 Objectives

1.5 Summary

1.5.1 Organization of the project report exam document.

Chapter 11

2.0 Different types of buildings and its functions:

2.1 My professional skill practices as a builder

2.2 Description of my professional craft competences

Chapter 111

3.0 In-depth descriptions of my professional skills practices.

3.1 How to set reinforcement rods for columns and pillars positions.

3.2 How to determine proportional ratios for concrete work.

3.3 Setting a building plan.

Chapter 1V

4.0 Document analysis

4.1 Observations

4.2 Reflections

References

