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25.2.0 TRADE PROJECT

25.2.01 Introduction

This module is designed to equip the trainee with the necessary knowledge, skills and attitude required to understand the process of
undertaking a project including the construction and production of
a viable electronic equipment.

25.2.02 General Objectives

By the end of this module unit, the trainee should be able to:

a) develop hands on experience on project work
b) implement knowledge gathered during course work
c) acquire experience in technical report writing
d) develop the concept of record keeping
e) interpret technical drawings

25.2.03 Module Summary and Time Allocation

Trade Project

Code	Module Unit	Content	Time Hrs
25.2.1	Sources Of Information And Its Application	• Catalogs • Data books • Internet • Text books • Manuals • Magazines • Workshops	10
25.2.2	Construction And Project Report Writing	• Project selection • Assembly • Report writing • Presentation	40
Total Time			**50**

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25.2.1 SOURCES OF INFORMATION AND ITS APPLICATION

Theory

25.2.1T0 *Specific Objectives*
By the end of the sub module unit, the trainee should be able to identify sources of information

Content

25.2.1T1 Sources of information
i) Catalogs
ii) Data books
iii) Internet
iv) Textbooks
v) Manuals
vi) Magazines
vii) Workshops
viii) Consultation

25.2.2 CONSTRUCTION AND PROJECT REPORT WRITING

25.2.2T0 *Specific Objectives*
By the end of the sub module unit, the trainee should be able to write a trade project report

Competence
The trainee should have the ability to:
i) Choose correct components, tools and materials
ii) Safely and correctly assemble the circuit onto a circuit board
iii) Encase and test the assembled circuit
iv) Maintain quality on finished job
v) Estimate materials and cost for a job
vi) Apply ethics and integrity at work

Content

25.2.2T 1 Project selection
i) Assembly
ii) Report writing
iii) Presentation

Practice

25.2.2P0 *Specific Objectives*
By the end of the unit, the trainee should be able to:
a) choose appropriate electrical/electronic components
b) simulate the circuit on a computer
c) observe safety when handling and mounting components
d) construct a functional

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electrical/electronic device or equipment
e) perform tests at various stages of the circuit
f) encase the assembled project
g) perform final test on the encased project
h) present a project for award of grade

Content

25.2.2P1 Components identification
25.2.2P 2 Circuit simulation
25.2.2P3 Safety
25.2.2P4 Circuit construction
25.2.2P5 Prototype testing
25.2.2P6 Project casing
25.2.2P7 Final test
25.2.2P8 Presentation

Suggested Learning Resources

i) Assorted components
ii) Test instruments
iii) Comuters
iv) Circuit diagrams
v) Assembly diagrams
vi) Electronic toolkit
vii) Circuit boards
viii) Connecting wir3s
ix) Connecting wires
x) Solder wires
xi) marking and cutting tools