

19.2.0 TRADE PROJECT

19.2.1 Introduction

This module unit is intended to equip the trainee with knowledge, skills and attitudes to enable him/her research, design, develop, produce/install a plant system and write a report on a project.

19.2.2 General Objectives

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

- a) identify a project
- b) state the scope of the project
- c) write a project proposal
- d) design a project
- e) produce and/or install the project
- f) test and/or commission the project
- g) write the project report
- h) present the project to examiners

19.2.3 Module Unit Summary and Time Allocation

Code	Module Unit	Content	Time (Hrs)
19.2.01	Basic project concepts	<ul style="list-style-type: none">• Definition• Format of project writing• Project proposal	14
19.2.02	Project design procedure	<ul style="list-style-type: none">• Analysis of activities• Duration of each activity• Programme for each activity	12
19.2.03	Report writing	<ul style="list-style-type: none">• Scope of the project• Activities undertaken• Results obtained• Reporting on safety and costing	12
19.2.04	Project presentation	<ul style="list-style-type: none">• Presentation of project report• Conclusions and recommendations• Presentation of project	12
Total Time			50

19.2.01 BASIC PROJECT CONCEPTS

Theory

- 19.2.01T *Specific Objectives*
By the end of the sub-module unit, the trainee should be able to:
- a) define project
 - b) outline the format of project writing
 - c) write a project proposal

Content

- 19.2.01T1 Definition
19.2.01T2 Format of project writing
- i) title of project
 - ii) introduction to the project
 - iii) problem statement
 - iv) objectives
 - v) scope and limitations
 - vi) methodology
 - vii) data collection
 - viii) recommendations
 - ix) conclusions
- 19.2.01T3 Project proposal

19.2.02 PROJECT DESIGN PROCEDURE

Theory

- 19.2.02T *Specific Objectives:*
By the end of this sub-module unit, the trainee should be able to:
- a) analyse the activities to be undertaken
 - b) specify duration for each activity
 - c) produce a program for each activity

Content

- 19.2.02T1 Analysis of activities
- i) problem identification
 - ii) research
 - iii) design solutions
 - iv) development
 - v) production and/or installation
 - vi) report writing
 - vii) evaluation
- 19.2.02T2 Duration for each activity
19.2.02T3 Programme for each activity

19.2.03 REPORT WRITING

Theory

- 19.2.03T *Specific Objectives:*
By the end of this sub-module unit the trainee should be able to:
- a) outline the scope of the project design

- b) outline the details of the activities undertaken
- c) state results obtained
- d) report on safety and costing
- e) draw conclusions/recommendations

19.2.04 PROJECT PRESENTATION

Theory

- 19.2.04T *Specific Objectives:*
By the end of this sub-module unit the trainee should be able to:
- a) present the project report
 - b) present the project

19.2.03C Competence

- The trainee should have the ability to
- i) identify a problem that needs engineering solution
 - ii) undertake a report presentation in a logical format
 - iii) complete a project safety

Content

- 19.2.04T1 Presentation of report
- i) title
 - ii) introduction
- 19.2.04T2 Presentation of project
- i) project performance
 - ii) innovativeness
 - iii) cost implications
 - iv) environmental considerations
 - v) demonstration of acquired skills

Content

- 19.2.03T1 Scope of the project
- 19.2.03T2 Activities undertaken
- 19.2.03T3 Results obtained
- 19.2.03T4 Reporting on safety and costing
- 19.2.03T5 Conclusions / Recommendations

*Suggested Teaching/
Learning Resources*

- Text books
- Manuals
- Journals
- Catalogues