APPROVED

EN8007: Electronic Circuit Design

Course Details

Course Code:	EN8007
Course Title:	Electronic Circuit Design APPROVED
Short Title:	ECD
Course Level::	Level 8
Valid From::	2021/2022 Sem 1

Credits::	15

Owner:	Engineering Technology

Assessment Method:	Achievement

Course Aim	
	This course provides critical knowledge in the design and analysis of advanced electronic circuits and specialist practical and testing skills for the critical evaluation of electronics circuit designs.

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CILO	
On Completion of this course, the learner will be able to	
#	**Learning Outcome Description**
1	Demonstrate critical knowledge of theories, principles and concepts relating to design, building, and testing of advanced electronic circuits
2	Construct and analyse an advanced electronic circuit to a given specification aided by the use of advanced software packages and electrical/electronic test/measurement equipment.
3	Design, build, test an environmentally friendly, sustainable, and cost effective advanced electronic circuit all in accordance with local/international standards and a given specification.

Requisites

- Pre Requisite: EN7061

- Anti Requisite: EN7007

Examinations
Assessment Type Examination (Unseen)
Assessment Type Examination (Practical)

No Other Controlled Assessments

Uncontrolled Assessments
Assessment Type Practical Project

Affiliated Entities

Entity Code	Entity Title	Entity Version	Entity Type
ENT7031	Associate Degree in Engineering Technology (Electronics)	2	Programme
ENT7090	AEngTech Industrial Instrumentation and Automatic Control	1	Programme
ENT8031	Bachelor of Engineering Technology (Electronics)	4	Programme
ENT8040	Bachelor of Engineering Technology (Electrical)	2	Programme
ENT8090	Bachelor of Engineering Technology (Industrial Instrumentation and Automatic Control)	1	Programme