APPROVED

EN8072: Electronics Prototype Design

Course Details	
Course Code:	EN8072
Course Title:	Electronics Prototype Design APPROVED
Short Title:	Electronics Prototype
Course Level::	Level 8
Valid From::	2021/2022 Sem 2

Credits::	15

Owner:	Engineering Technology

Assessment Method:	Achievement

Course Aim	The course aims to integrate specialized knowledge and advanced practical skills required in the design, manufacturing and testing of an electronic-based product to industry standards.

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CILO	
On Completion of this course, the learner will be able to	
#	**Learning Outcome Description**
1	Demonstrate critical knowledge of the theoretical concepts utilized for different design techniques to prototype an electronic product that optimizes the manufacturing and testing processes.
2	Apply specialist testing skills to evaluate a prototype electronic product against accepted industry standards.
3	Critically analyze the design and testing results to identify and implement improvements in the cost and performance effectiveness of an electronic product.
4	Produce a technical report that documents the design and testing process of an electronic prototype subject to a variety of constraints and conforming to industry standards.

Requisites
• Pre Requisite: EN7061 and EN6080   • Anti Requisite: EN7072

Examinations
Assessment Type Examination (Unseen)

No Other Controlled Assessments

Uncontrolled Assessments
Assessment Type Lab Assignment
Assessment Type Project (Group/Individual)

Affiliated Entities

Entity Code	Entity Title	Entity Version	Entity Type
ENT7031	Associate Degree in Engineering Technology (Electronics)	2	Programme
ENT8031	Bachelor of Engineering Technology (Electronics)	4	Programme