

APPROVED

EN7008: Power Electronics

Course Details

Course Code:	EN7008
Course Title:	Power Electronics APPROVED
Short Title:	
Course Level::	Level 7
Valid From::	2019/2020 Sem 2
Credits::	15
Owner:	Engineering Technology
Assessment Method:	Achievement
Course Aim	To develop advanced theoretical concepts in power electronics circuit design and provides specialist level skills to the students for the analysis and testing of power electronics circuits.

CILO	
On Completion of this course, the learner will be able to	
#	Learning Outcome Description
1	Demonstrate advanced knowledge of theories of the design and analysis of power electronic circuits.
2	Implement a power electronics circuit according to defined specifications and requirements, including thermal effects and methods of reducing them, applying advanced principles of power electronics circuit design.
3	Test, evaluate and document the performance of power electronic circuits using experimental and simulation results to provide design improvements.
Requisites	
<ul style="list-style-type: none"> Pre Requisite: EN6080 & EN7061 	

Examinations
Assessment Type Examination (Unseen)
Assessment Type Examination (Practical)
No Other Controlled Assessments
Uncontrolled Assessments
Assessment Type Project (Group)

Affiliated Entities			
Entity Code	Entity Title	Entity Version	Entity Type
ENT7040	Associate Degree in Engineering Technology (Electrical)	1	Programme
ENT7050	Associate degree in Engineering Technology (Electromechanical)	1	Programme
ENT8040	Bachelor of Engineering Technology (Electrical)	2	Programme
ENT8050	Bachelor of Engineering Technology (Electromechanical)	2	Programme