APPROVED

EN7061: Analogue Electronic Circuits

Course Details

Course Code:	EN7061
Course Title:	Analogue Electronic Circuits APPROVED
Short Title:	
Course Level::	Level 7
Valid From::	2019/2020 Sem 2
Credits::	15
Owner:	Engineering Technology
Assessment Method:	Achievement
Course Aim	This course addresses advanced level theories, principles and concepts of analogue electronic circuit design including modelling of non-linear electronic device characteristics. It enables students to develop modelling and testing techniques for analogue electronic circuits using simulation software and experimental work.

CILO	
On Completion of this course, the learner will be able to	
#	**Learning Outcome Description**
1	Demonstrate advanced level knowledge of theories, principles and concepts relating to the design of analogue electronic circuits including thermodynamic effects and the practical applications of a range of discrete analogue electronic components.
2	Design analogue electronic circuits by selecting and using a range of discrete/non-discrete electronic components and devices.
3	Model, simulate and analyze the dynamic behaviour of analogue electronic circuits.
4	Analyse the dynamic behaviour of analogue devices and circuits through the acquisition of voltage current readings/data using a range of electronic measuring instruments

Requisites

- Pre Requisite: EN6907 (ENB5907) & EN6000 (ENB5000)
- Anti Requisite: EN6060

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
ENT7040	Associate Degree in Engineering Technology (Electrical)	1	Programme
MCS8000	Minor in Control Systems	1	Programme