

APPROVED

EN6010: Engineering Computing Fundamentals

Course Details

Course Code:	EN6010
Course Title:	Engineering Computing Fundamentals APPROVED
Short Title:	CompFundamentals
Course Level::	Level 6
Valid From::	2021/2022 Sem 1
Credits::	15
Owner:	Engineering Technology
Assessment Method:	Achievement
Course Aim	To give students an introduction to structured and symbolic programming techniques, using the MatLab and LabVIEW development environments as they relate to engineering applications.

CLO	
On Completion of this course, the learner will be able to	
#	Learning Outcome Description
1	Create a MatLab program utilizing arrays, conditional statements, iteration and graphs.
2	Design and document a LabVIEW program using basic concepts of engineering analysis.
3	Work in groups and produce computational programs within engineering context.
Requisites	
No requisites	

No Examinations
Other Controlled Assessments
Assessment Type Lab Assignment
Assessment Type Lab Assignment
Uncontrolled Assessments
Assessment Type Project (Group)

Affiliated Entities			
Entity Code	Entity Title	Entity Version	Entity Type
ENT7020	Associate Degree in Engineering Technology (Mechanical)	2	Programme
ENT7031	Associate Degree in Engineering Technology (Electronics)	2	Programme
ENT7040	Associate Degree in Engineering Technology (Electrical)	1	Programme
ENT7050	Associate degree in Engineering Technology (Electromechanical)	1	Programme
ENT7060	Associate Degree in Engineering Technology (Communications and Networks)	1	Programme
No Code Yet	Copy Of Associate Degree in Engineering Technology (Communications and Networks)	1	Programme