

APPROVED

EN7034: Embedded Systems

Course Details

Course Code:	EN7034
Course Title:	Embedded Systems APPROVED
Short Title:	
Course Level::	Level 7
Valid From::	2016/2017 Sem 1
Credits::	15
Owner:	Engineering Technology
Assessment Method:	Achievement
Course Aim	To develop specialized embedded systems using a microcontroller platform and the C++ programming language.

CILO	
On Completion of this course, the learner will be able to	
#	Learning Outcome Description
1	Program a specialized embedded system, using a microcontroller platform to interface with a range of advanced electronic circuits.
2	Write and debug advanced level programs using an object-oriented programming language.
3	Implement, test and critically analyze algorithms on an embedded platform.
4	Work in groups efficiently taking responsibility for decisions in embedded systems engineering design.
Requisites	
<ul style="list-style-type: none"> Pre Requisite: EN6001 (ENB5001) & EN6060 (ENB5060) 	

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
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
ENT8090	Bachelor of Engineering Technology (Industrial Instrumentation and Automatic Control)	1	Programme