

**APPROVED**

## EN7034: Embedded Systems

### Course Details

Course Code:	EN7034
Course Title:	Embedded Systems <b>APPROVED</b>
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"> <li>Pre Requisite: EN6001 (ENB5001) &amp; EN6060 (ENB5060)</li> </ul>	

<b>Examinations</b>
<b>Assessment Type</b> Examination (Unseen)
<b>Assessment Type</b> Examination (Practical)
No Other Controlled Assessments
<b>Uncontrolled Assessments</b>
<b>Assessment Type</b> 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