APPROVED

EN7035: PLC Programming & Applications

Course Details	
Course Code:	EN7035
Course Title:	PLC Programming & Applications APPROVED
Short Title:	PLC Programming
Course Level::	Level 7
Valid From::	2019/2020 Sem 1
Credits::	30
Owner:	Engineering Technology
Assessment Method:	Achievement
Course Aim	
	To introduce advanced level theories, principles and concepts in the area of PLC-controlled automated control systems and to solve industrial process control problems using Programmable Logic Controllers (PLCs) and Human Machine Interfaces (HMI).

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CILO	
On Completion of this course, the learner will be able to	
#	**Learning Outcome Description**
1	Apply advanced level programming skills in the design, implementation and testing of PLC programming code to solve defined or undefined industrial automation control problems.
2	Apply advanced practical skills and theoretical knowledge for the integration of a range of field devices to a PLC to solve advanced industrial process control problems.
3	Apply specialist level programming and testing skills in the implementation of a range of HMI applications to a process control problem using relevant industry practice and standards.

Requisites
• Pre Requisite: EN6020 and EN7230

Examinations

Assessment Type
Examination (Unseen)

Other Controlled Assessments

Assessment Type
Lab Assignment

Uncontrolled Assessments

Assessment Type
Practical Project

Affiliated Entities

Entity Code	Entity Title	Entity Version	Entity Type
ENT7040	Associate Degree in Engineering Technology (Electrical)	1	Programme