

APPROVED

EN7908: Manufacturing, Control and Environmental Sustainability

Course Details

Course Code:	EN7908
Course Title:	Manufacturing, Control and Environmental Sustainability APPROVED
Short Title:	ManConEnv
Course Level::	Level 7
Valid From::	2017/2018 Sem 2
Credits::	15
Owner:	Engineering Technology
Assessment Method:	Achievement
Course Aim	To equip students with specialized knowledge of engineering manufacturing process and their environmental impacts. The principles and concepts of process control will also be covered.

CILO	
On Completion of this course, the learner will be able to	
#	Learning Outcome Description
1	Select and analyse appropriate mechanical engineering manufacturing processes for metal components/assemblies to achieve required product specifications. Range includes: casting, , forging, rolling , extrusion.
2	Design, process, evaluate and cost parameters for casting and metal forming applications.
3	Analyse environmental impact of manufacturing activities.
4	Critically analyse the effectiveness of a feedback control system for a practical engineering application.
Requisites	
<ul style="list-style-type: none"> • Pre Requisite: EN6990 (ENB5990) • Pre Requisite: EN6908 	

No Examinations
No Other Controlled Assessments
Uncontrolled Assessments
Assessment Type Practical Project
Assessment Type Practical Project

Affiliated Entities			
Entity Code	Entity Title	Entity Version	Entity Type
ENT6020	Diploma in Engineering Technology (Mechanical)	2	Programme
ENT7020	Associate Degree in Engineering Technology (Mechanical)	2	Programme
ENT8020	Bachelor of Engineering Technology (Mechanical)	3	Programme
ENT8050	Bachelor of Engineering Technology (Electromechanical)	2	Programme