APPROVED

EN8909: CAD/CAM

Course Details

Course Code:	EN8909
Course Title:	CAD/CAM APPROVED
Short Title:	
Course Level::	Level 8
Valid From::	2016/2017 Sem 1
Credits::	15
Owner:	Engineering Technology
Assessment Method:	Achievement
Course Aim	To enable students to analyze engineering components and solve engineering problems using computer aided design tools and to effectively use protocols created for the CNC machine code and to test using computer simulations.

CILO	
On Completion of this course, the learner will be able to	
#	**Learning Outcome Description**
1	Use specialist CAD (computer aided Design) skills in advanced geometry feature creation methods and techniques to create solid and wire frame models.
2	Analyse components using finite element analysis for structural, fluid and thermal problems, and critically analyse the solution to carry out design modification.
3	Critically analyze the concept of FMS (Flexible manufacturing system) and CIMS (Computer Integrated Manufacturing Systems.
4	Integrate CAD/CAM tools and develop and synthesize APT (Automatically Programmed Tool) programming for machining.

Requisites
• Pre Requisite: 60 Credits at level 7 in B.EngTech (Mechanical) and EN6904 (ENB5904)

Examinations
Assessment Type Examination (seen/open book)

No Other Controlled Assessments

Uncontrolled Assessments
Assessment Type Practical Project
Assessment Type Project (Group)

Affiliated Entities

Entity Code	Entity Title	Entity Version	Entity Type
Mechanical Options	Mechanical Options	1	Group