Master of Technology in CAD/CAM

School of Mechanical Engineering

Programme Credit Structure	**Credits**
University Core Courses	39
Professional Core Courses	24
Professional Elective Courses	14
Open Elective Courses	03
Total Graded Credit Requirement	80

		L	**T**	**P**	**C**
University Core Courses					**39**
MAENG501	Technical Report Writing	1	0	4	3
MASTS503	Qualitative and Quantitative Skills Practice I	3	0	0	3
MASTS504	Qualitative and Quantitative Skills Practice II	3	0	0	3
MASET697	Project Work	0	0	20	10
MACDM698	Internship I/ Dissertation I	0	0	20	10
MACDM699	Internship II/ Dissertation II	0	0	20	10
Professional Core Courses					**24**
MACDM501	Applied Mechanics of Solids	3	1	0	4
MACDM502	Advanced Manufacturing Technologies	3	0	2	4
MACDM503	Finite Element Methods and Applications	3	0	2	4
MACDM504	Integrated Manufacturing System	3	0	2	4
MACDM505	Vibration and Control	3	0	2	4
MACDM506	Artificial Intelligence for Design and Manufacturing	3	1	0	4
Professional Elective Courses					**14**
MASMM503	Manufacturing Control and Automation	3	0	2	4
MASMM506	Design for Additive Manufacturing	3	0	2	4
MASMM605	Advanced Materials Processing and Characterization	3	0	2	4
MACDM601	Computer Graphics and Geometric Modelling	3	0	2	4
MACDM602	Computational Fluid Dynamics	3	0	2	4
MACDM603	Noise, Vibration and Harshness	3	1	0	4
MACDM604	Fracture Mechanics and Fatigue	3	1	0	4
MACDM605	Design for Excellence	3	0	0	3
MACDM606	Design Thinking and Product Development	3	0	0	3
MACDM607	Product Life Cycle Management	3	0	0	3
MACDM608	Manufacturing and Mechanics of Composite Materials	3	0	0	3
MACDM609	Design Optimization	3	0	0	3
MACDM610	Design and Analysis of Experiments	3	0	0	3

Open Elective Courses **03**

Engineering | Sciences | Humanities | Social Sciences | Liberal Arts | Economics | Finance | Management