

COURSE LEARNING OUTCOMES MATRIX

PROGRAMME : Bachelor of Engineering (Mechanical-Manufacturing)
COURSE CODE & NAME : Manufacturing Process (SKMM 2713)

No.	Course Learning Outcomes (CLO)	Programme Learning Outcomes (PO)												Learning Taxonomy	Delivery (Teaching Methods)	Assessment	Key Performance Indicators/ Index	
		Engineering Knowledge	Problem Analysis	Design/Development of solutions	Investigation	Modern Tools Usage	The Engineer & Society	Environment & Sustainability	Ethics	Communication	Team Working	Life Long Learning	Project Management, Finance & Entrepreneurship					
		1	2	3	4	5	6	7	8	9	10	11	12					
1.	Identify theories & working principles related to complex manufacturing processes, manufacturing aspects and problems	3(ii)													C4	Lecture and AL	T, F	Average mark of 65%
2.	Compare and analyze advantages and disadvantages of relevant complex manufacturing systems and processes	3(ii)													C4	Lecture and AL	T, F	
3.	Explain sustainable manufacturing concepts and correlate the relevant issues to respected manufacturing processes.														C4	Lecture and AL	T, F, PR	
4.	Solve and Suggest suitable manufacturing techniques and manufacturing aspects for improving quality of a given product in group project report.	3(ii)													C4 A3, TS1, TS2, TS3	Lecture and AL	T, F, PR, Peer Review	
	Overall	3																

Key: 3 = major contribution to outcome; 2 = moderate contribution to outcome; 1 = minor contribution to outcome