DEPARTMENT OF MECHANICAL ENGINEERING

S.No	Course code	Course Name	L-T-P	Cr	Pre-Req.	Mapping with SO										
						a	b	c	d	e	f	g	h	i	j	k
HUMANITIES & SOCIAL SCIENCES																
1	15 GN 1001	Ecology and Environment	2-0-0	2								2	1			
2	15 GN 1002	Human Values	2-0-0	2						2						
3	15 EN 1101	Rudiments of Communication Skills	0-0-4	2							1					
4	15 EN 1202	Interpersonal Communication Skills	0-0-4	2				1			2					
5	15 EN 2103	Professional Communication Skills	0-0-4	2						1	3					
6	15 EN 2204	Employability Skills	0-0-4	2						2	3					
7	15 EN 3105	Verbal and Quantitative Reasoning	0-0-4	2									1			
8	15 EN 3206	Corporate Communication Skills	0-0-4	2						3	3					
BASIC SCIENCES																
9	15 MT 1001	Single Variable calculus and Matrix Algebra	2-2-2	4					1						1	
10	15 PH 1001	Engineering Materials	2-2-2	4			1									
11	15 CY 1001	Engineering Chemistry	2-2-2	4		1	1									
12	15 BT 1001	Biology for Engineers	2-0-0	2								1		2		
13	15 MT 1203	Multivariate Calculus	2-2-2	4					2						2	
14	15 MT 2104	Probability and Optimization Techniques	2-2-2	4	2				2							
ENGINEERING SCIENCES																
15	15 CS 1001	C Programming & Data Structures	2-4-2	5	2				2						2	
16	15 GN 1003	Measurements	0-0-4	2	2	2										
17	15 GN 1004	Introduction to Engineering	2-0-2	3						2		2				
18	15 EC 2002	Signal Analysis	2-2-2	4	2										2	
19	15 EE 2202	Basic Electrical & Electronics Engineering	2-2-2	4	1				2							
PROFESSIONAL CORE COURSES																
20	15 ME 1001	Mechanics	2-2-2	4	2				1							
21	15 ME 1002	Engineering Graphics	0-0-6	3											2	

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						a	b	c	d	e	f	g	h	i	j	k
22	15 ME 1003	Thermodynamics	2-2-2	4	2										1	
23	15 ME 2104	Fluid Mechanics	2-2-2	4			2		2							
24	15 ME 2105	Material Science & Metallurgy	2-2-2	4	2	2										
25	15 ME 2106	Strength of Materials	2-2-2	4		3			2							
26	15 ME 2207	Graphics And Visualization of Mechanical Components	2-0-2	3								2				2
27	15 ME 2208	Manufacturing Science and Technology	2-2-2	4			2	2								
28	15 ME 2209	Kinematics and Dynamics of Machines	2-2-2	4						2						2
29	15 ME 2210	Applied Thermodynamics	2-2-2	4	2	2										
30	15 ME 3111	Finite Element Method	2-2-2	4					2						3	
31	15 ME 3112	Design of Machine Elements	2-2-2	4			2		3							
32	15 ME 3113	Advanced Manufacturing Technology	2-2-2	4			2									3
33	15 ME 3114	Turbo Machines	2-2-2	4		2			2							
34	15 ME 3115	Feedback and Control Systems	2-2-2	4		2	2									
35	15 ME 3216	Design of Transmission Elements	2-2-2	4			2		3							
36	15 ME 3217	Production and Operations Management	2-2-2	4			2	2								3
37	15 ME 3218	Heat Transfer	2-2-2	4					2						2	
38	15 IE 3250	Term Paper	0-0-4	2		2		3	3		3		2			
39	15 IE 4049	Minor Project	0-0-4	2	3						3					
40	15 IE 4050	Major Project	0-0-16	8	3		3				3	3	3	3		
41	Industrial Training ---2 CR (Summer Break in II/IV year) Professional Electives (3 CR X 5) - 15 CR Open Electives (3 CR X 2) - 6 CR Foreign Language --- 3CR Management Elective --- 3 CR Students can opt for Practice School in place of Major Project.			29												
		TOTAL CREDITS		**167**												