CLOs / PLOs MAPPING (NEW CURRICULUM) **Annexure-D**

Sr.No.	Course Title / Course Code	01	02	03	04	05	06	07	08	09	10	11	12
1.	MM-102: Introduction To Engineering Materials	2	1										
2.	ME-101: Engineering Mechanics	2	2										
3.	Ph-122: Applied Economics	2	1										
4.	ME-104: Workshop Practice				2					1			
5.	HS-104: Fictional English										2		1
6.	EE-118: Basic Electricity & Electronics	1	2			1							
7.	AU-102: Engineering Drawing & Computer Graphics	2				1					1		
8.	CY-109: Applied Chemistry	1	1		1								
9.	MT-111: Calculus	1	2										
10.	HS-105: Pakistan Studies									1			1
11.	MM-201: Physical Metallurgy	1		1	1	1							
12.	MM-204: Engineering Ceramics And Refractory			1	1			1					
13.	MM-205: Mechanics Of Materials	1		1		1				1			
14.	MT-215: Differential Equation & Complex Variable	1	1										
15.	MY-211: Metallurgical Thermodynamics and Kinetics	2	1										
16.	MM-202: Production & Refining of Materials			1			1	1					
17.	MM-208: Fundamental of Modren Manufacturing and Foundry	1			1	1				1		1	
18.	MM-307: Joining Of Materials		1			1	1	1					
19.	IM-207: Computer Programming and Drafting	2		1	1								
20.	HS-205: Islamic Studies and Ethical Behavior							1	1				1
21.	MM-301: Corrosion: Protection And Prevention	1	1			1		1					
22.	MM-303: Inspection And Testing Of Materials	1			1	1				1			
23.	MM-304: Heat Treatment Of Materials		2	1		1							1
24.	HS-304: Business Communication and Ethics								1		3		
25.	MT-315: Mathematical Methods	1	1										
26.	MM-305: Polymer & Composite Materials	1	1		1	1							
27.	MM-308: Materials Characterization & Analytical Techniques	1				1				1			1
28.	MM-309: Construction Materials	1					1	1					
29.	PF-303: Applied Economics for Engineers					1	2						
30.	HS-403: Entrepreneurship						1				1		1
31.	MT-441: Advance Mathematical Techniques	1	1										
32.	MM-404: Phase Transformation in Materials		1			1						1	1
33.	MM-411: Nanomaterial's & Nano technology		1			1		1					
34.	MM-412: Surface Engineering	1					1	1					
35.	MM-413: Nuclear Materials	1		1			1						
36.	MM-414: Total Quality Management					1	1						1
37.	MM-410: Materials Engineering Project	1	1	1	1	1	1	1	1	1	1	1	1
38.	MM-402: Design & Selection of Materials					1	1			1			1
39.	MY-402: Advance Materials	1			1			1					
40.	MM-415:Materials Deformation & Failure Mech. & Analysis		1		1						1		
41.	MM-409: Biomedical & Functional Materials	1		1	1								
42.	IM-417: Health Safety and Environment	1						1		1			1
43.	MM-410: Materials Engineering Project	1	1	1	1	1	1	1	1	1	1	1	1