

## Department: Mechanical Engineering

Sr. No	PO's
1	<b>Engineering knowledge:</b> Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2	<b>Problem analysis:</b> Identify, formulate, Review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3	<b>Design/development of solutions:</b> Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4	<b>Conduct investigations of complex problems:</b> Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5	<b>Modern tool usage:</b> Create, select, and apply appropriate Techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6	<b>The engineer and society:</b> Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7	<b>Environment and sustainability:</b> Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8	<b>Ethics:</b> Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9	<b>Individual and team work:</b> Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10	<b>Communication:</b> Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11	<b>Project management and finance:</b> Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12	<b>Life-long learning:</b> Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.
PSO's	
<b>PSO 1</b>	To develop competencies to achieve excellence in design, thermal and manufacturing system by acquiring/applying mechanical engineering knowledge.
<b>PSO 2</b>	To develop an approach to solve multidisciplinary problems by using modern tools.
<b>PSO3</b>	To engage in higher studies, research and other continuous professional developmental activities.
<b>PSO 4</b>	To analyze, interpret and provide solutions to the real life mechanical engineering problems.

**DEPARTMENT OF MECHANICAL ENGINEERING**

**CLASS:SE**

**SEM:-1**

**YEAR: 2019-20**

Course Code	Course Name	Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	FACULTY	
C201	Engineering Mathematics – III	C201.1	3	3	3	1		3						2	3	3	1	3	GAD	
		C201.2	3	3	3	2		2						1	3	2	2	3		
		C201.3	3	3	3	2	1	3						2	3	2		3		
		C201.4	3	2	3	1	2	3							3	1		2		
		C201.5	3	3	3	2	2	3						2	3	2	1	3		
		Avg	3.00	2.80	3.00	1.60	1.67	2.80							1.75	3.00	2.00	1.33		2.80
C202	Manufacturing Process-I	C202.1	3	1	2	2		1	1					2	3	3	1	2	SMB	
		C202.2	2	1	2	1			1					2	2	1	1	1		
		C202.3	2	2	2	2	1	1	1					2	3	2	1	1		
		C202.4	3	2	1	1	2		1					2	2	3	1	1		
		C202.5	3	2	2	2			2	2		2		2	3	1	1	1		
		C202.6	3	2	1	2		2	1					2	2	2	1	1		
Avg	2.67	1.67	1.67	1.67	1.50	1.33	1.17	2.00		2.00		2.00	2.50	2.00	1.00	1.17				
C203	Computer Aided Machine Drawing	C203.1	3	3	3	3	3	1	1		1	2	1		3	3	1	2	AAB	
		C203.2	3	2	2	2	3	1			1	2			2	2	1	1		
		C203.3	3	2	2	2	3	1			1	1			3	2	1	1		
		C203.4	3	3	3	3	3	1			2	1			3	3	1	1		
		C203.5	3	3	3	3	3	1			2	2			3	2	1	2		
		C203.6	3	3	3	3	3	1			2	2			3	2	1	1		
Avg	3.00	2.70	2.70	2.70	3.00	1.00	1.00		1.50	1.70	1.00		2.80	2.30	1.00	1.30				
C204	Thermodynamics	C204.1	3	3	1			1	1					2	3		3	3	AHK	
		C204.2	3	3	2				1					2	3		3	3		
		C204.3	3	3	2		3	1	1					2	3		2	2		
		C204.4	3	3	2	2	2	3	1					2	2		2	3		
		C204.5	2	2	3	2		3	3	3		2			2	3		3		3
		C204.6	3	1	2	1		2	1						2	3		2		2
Avg	2.83	2.50	2.00	1.67	2.50	2.00	1.33	3.00		2.00			2.00	2.83		2.50	2.67			
C205	Material Science	C205.1	3	3	3	1		3						2	3	3	1	3	SCB	
		C205.2	3	3	3	2		2						1	3	2	2	3		
		C205.3	3	3	3	2	1	3						2	3	2		3		
		C205.4	3	2	3	1	2	3				1			3	1		2		
		C205.5	3	3	3	2	2	3	1			1			2	3	2	1		3
		C205.6	3	2	3	2		2	1						2	3	1			3
Avg	3.00	2.67	3.00	1.67	1.67	2.67	1.00			1.00			1.80	3.00	1.83	1.33	2.83			
C206	Strength of Materials	C206.1	3	2	1	1	2	1			2	1		2	2	1	1	1	HPB	
		C206.2	2	2	2	2	2	1			2	2	1				1			
		C206.3	2	2	2	2		1			1			1	1	2				
		C206.4	2	2	2	1		1				1			1					
		C206.5									3				1					
		C206.6	1				3					2								
Avg	2.00	2.00	1.75	1.50	2.33	1.00			2.00	2.00	1.25	1.00	1.25	2.00	1.00	1.00	1.20			
C207	Audit course	C207.1	2	2	1	1	1	1	1						1	1	1	2	AAB	
		C207.2	1	1	1	1	1	1	1									1		
		C207.3	2	2	2	2	2	2	2						1	1	1	1		
		C207.4	2	2	2	2	2	2	2							1	1			
		Avg	1.75	1.75	1.50	1.50	1.50	1.50	1.50						1.00	1.00	1.00	1.33		

**DEPARTMENT OF MECHANICAL ENGINEERING**

**CLASS:SE SEM:-2 YEAR: 2019-20**

Course Code	Course Name	Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	FACULTY
C208	FM	C208.1	3	3	1			1			1	1		1	3		2	2	SVS
		C208.2	3	3	2			1			1	1		1	3		2	2	
		C208.3	3	3	2			1			1	1		1	3		2	2	
		Avg	3.00	3.00	1.67			1.00			1.00	1.00		1.00	3.00		2.00	2.00	

C209	SOFT SKILLS	C209.1									1	3	1	2					ABP
		C209.2								2	2	3	2	2	1	1	3	2	
		C209.3								2	2	3	2	3		1		3	
		Avg								2.00	1.67	3.00	1.67	2.33	1.00	1.00	3.00	2.50	

C210	TOM-1	C210.1	3	3	2		3	2	2	1	2	2	2	2	3	3	2	1	PDK
		C210.2	3	3	2	2	3							2	3	3	2	3	
		C210.3	3	3	2	2		1						2	3	3	2	3	
		C210.4	2	2	2	1					2			2	3	3	2	2	
		C210.5	3	2	2	2	3							2	3	3	2	3	
Avg	2.80	2.60	2.00	1.75	3.00	1.50	2.00	1.00	2.00	2.00	2.00	2.00	3.00	3.00	2.00	2.40			

C211	Engineering Metallurgy	C211.1	3	3	3	2	2	2						2	3	2	1	3	SCB	
		C211.2	3	3	2	1		2						2	3	3	2	3		
		C211.3	3	2	2	3	2					1		1	2	3	1	3		
		C211.4	3	3	3	2	1	3	1				1		2	3	2	1		3
		C211.5	3	2	3	2	2	3							3	3	2	2		2
		C211.6	3	3	3	3	1	2							3	2	2	1		3
Avg	3.00	2.67	2.67	2.17	1.60	2.40	1.00				1.00		2.17	2.67	2.33	1.33	2.83			

C212	Applied Thermodynamics	C212.1	2	3	1			2	2					2	3		3	3	AHK	
		C212.2	3	2				1	2	1					1	3		2		2
		C212.3	3	2				1	2	1					1	3		2		2
		C212.4	3	3	2	3	2	2	2						1	2	2	3		3
		C212.5	2	2		2		3	3	3		2			2	3	1	2		3
		C212.6	3	3	2	3		2	2						1	3		3		2
Avg	2.67	2.50	1.67	2.67	2.00	1.83	2.17	1.67		2.00	0.00		1.33	2.83	1.50	2.50	2.50			

C213	Electrical and Electronics Engineering	C213.1	2	1		2	2		1			1	2		2	3	2	2	DSY/LB
		C213.2	2	1		2	2		1			1	2		1	3	2	3	
		C213.3	2	1		2	2		1			1	2		1	3	2	3	
		Avg	2.00	1.00		2.00	2.00		1.00			1.00	2.00		1.33	3.00	2.00	2.67	

C214	Machine Shop - I	C214.1	2	2	2	1	2				1			1	2			2	KMJ/SCB /SHK	
		C214.2	2	2	2	1	2					1			1	2				2
		C214.3	2	2	2	1	2					1			1	2				2
		C214.4	2	2	2	1	2					1			1	2				2
		Avg	2.00	2.00	2.00	1.00	2.00					1.00			1.00	2.00				2.00

**DEPARTMENT OF MECHANICAL ENGINEERING**

**CLASS:BE**

**SEM:-1**

**YEAR: 2019-20**

Course Code	Course Name	Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	FACULTY	
C401	Hydraulics and Pneumatics	C401.1	1	2	1	1	1						1			1	1	2	DDR	
		C401.2	1	1	2	1					1		1	1	1	1	1	2		2
		C401.3	2	2	2	2	2	1			2			2	1	2	2	2		3
		C404.4	3	2	3	1		1	2		3		2	2	2	1	2	2		2
		C405.5	2	1	3	1	2	1	2		3		2	2	2	2	2	3		3
		C405.6	1	2	1	2	1	2			2					2	2	3		3
Avg		1.67	1.67	2.00	1.33	1.50	1.25	2.00	0.00	2.20	0.00	1.50	1.75	1.60	1.50	2.17	2.50			
C402	CAD CAM Automation	C402.1	3	3	3	2	3					3		3	3	3	3	2	SVS	
		C402.2	3	3	3	2	3					3		3	3	3	3	2		
		C402.3	3	3	3	3	3					3		3	3	3	3	3		
		C402.4	3	2	3	2	3					3		3	3	3	3	2		
		C402.5	3	2	3	2	3					3		3	3	3	3	2		
		C402.6	3	2	3	2	3					3		3	3	3	3	1		
Avg		3.00	2.50	3.00	2.20	3.00	0.00	0.00	0.00	0.00	3.00	0.00	3.00	3.00	3.00	3.00	2.00			
C403	Dynamics of Machinery	C403.1	3	2	2	2	2	2							2			2	PVD	
		C403.2	3	3	3	2	3	2							2			3		
		C403.3	3	3	3	2	2	2							2			2		
		C403.4	3	3	2	2	3	2							2			2		
		C403.5	3	3	3	2	3	2							2			2		
		C403.6	3	2	2	2	2	3							3			2		
Avg		3.00	2.67	2.50	2.00	2.50	2.17	0.00	0.00	0.00	0.00	0.00	0.00	2.17	0.00	0.00	2.17			
C404A	Elective-I Finite Element Analysis	C404A.1	3	1	1	1	2	1	1				1	1	3	2	1	1	AAB	
		C404A.2	3	2	2	1	2	1	1				1	1	3	2	1	2		
		C404A.3	3	3	3	3	3	2	1				1		2	2	1	3		
		C404A.4	3	1	2	2	3						1	1	3	2	1	2		
		C404A.5	3	3	3	3	3	1					1	1	3	3	1	2		
		C404A.6	3	3	3	3	3	2	1				1	1	3	3		3		
Avg		3.00	2.20	2.30	2.20	2.70	1.40	1.00	0.00	0.00	0.00	1.00	1.00	2.80	2.30	1.00	2.20			
C405A	Elective-II Automobile Engineering	C405A.1	3	2	1		1	3	2					3	3	2	1	1	MSG	
		C405A.2	3	3	2	1		2	2					3	3	2	2	1		
		C405A.3	3	2	1	1		3	2					3	3	2	3	1		
		C405A.4	3	1	2	1		2	3					3	3	3	3	1		
Avg		3.00	2.00	1.50	1.00	1.00	2.50	2.25	0.00	0.00	0.00	0.00	3.00	3.00	2.25	2.25	1.00			
C405B	Elective-II Operation Research	C405B.1	3	2	2	1		1						1		2		3	KMJ	
		C405B.2	3	2	2	1		1						1	1	1		1		
		C405B.3	1		1	1	1	1			1		2	2		2		3		
		C405B.4	1	1	1	1				1		1	3	1	1	1	1			3
		C405B.5	2	3	1	1			1				2	1	1	1	1			1
		C405B.6	1	2	1	1			1				2	1		2				3
Avg		1.80	2.00	1.30	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.30	1.20	1.00	1.50	0.00	2.30			
C405C	Elective-II Energy Audit and Management	C405C.1	1		1	1		1	3	1			1	1	2			3	SHK	
		C405C.2	2	2	3	1	1	1	1		1	1	1	1	2			3		
		C405C.3	1	1	1	1		1	1		1	1	3	1	1	2				
		C405C.4	1	2	2	1	1	1	2			1		1	2			3		
		C405C.5	1	2	2	1	1	1	2			1		1	2			3		
		C405C.6	2	3	2		1	1	1			1		1	3		2	2		
Avg		1.33	2.00	1.83	1.00	1.00	1.00	1.67	1.00	1.00	1.00	1.67	1.00	2.00	2.00	2.00	2.80			

C406	Project-I	C406.1	2	3	2	2	1	1	2	1		3	2		2	1		1	KMJ	
		C406.2	3	2	3	3	2	1		1		1	1	1	2	2		2		
		C406.3	3	2	1	1	1	2	2	1	3	1	1	1	1	3	1	1		
		C406.4	1	1	1	1	1	2	1	3	1	3	1	1			1	1		
		C406.5	1	2	2	2	1	1				1		1	1	1	1	2		2
		C406.6								1	3	1		2						
		Avg	2.00	2.00	1.80	1.80	1.20	1.40	1.70	1.40	2.30	1.70	1.30	1.20	1.50	1.80	1.30	1.40		

**DEPARTMENT OF MECHANICAL ENGINEERING**

**CLASS:BE**

**SEM:-2**

**YEAR: 2019-20**

Course Code	Course Name	Course Outco	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	FACULTY
C407	Energy Engineering	C407.1	3	2	2	1	1	1	2	1	1	2		2	2	1	2	2	PRC
		C407.2	3	2	3	2	1	2	3	2	1	2	1	3	2	1	1	2	
		C407.3	3	2	2	2	1	2	2	1	2	2	1	2	2	1	2	2	
		C407.4	3	3	3	2	2	2	2	1	2	2		2	2	1	2	2	
		C407.5	3	2	2	2	1	2	3	1	1	3	1	3	2	1	2	2	
		C407.6	2	1	1	1	1	1	1		1	2	2	2	2	1	1	2	
		Avg	2.83	2.00	2.17	1.67	1.17	1.67	2.17	1.20	1.33	2.17	1.25	2.33	2.00	1.00	1.67	2.00	
C408	Mechanical System Design	C408.1	3	1	2		1	1		1	1	1		1	3	2	2	1	SHK
		C408.2	3	2	3	1	3	1	1	1	2	1	1	1	3	3	2	2	
		C408.3	2	1	3			1			1	1		1	2	2	2	1	
		C408.4	2	2	3	1	1	1	1	1	2	2	1	1	2	2	3	1	
		Avg	2.50	1.50	2.75	1.00	1.67	1.00	1.00	1.00	1.50	1.25	1.00	1.00	2.50	2.25	2.25	1.25	
C409B	(ELECTIVE-III ) Industrial Engineering	C409B.1	3	3	3	3	1			1		1		3	3	2		3	MSL
		C409B.2	3	3	3	3	1			1		1		3	3	2		3	
		C409B.3	3	3	3	3	1			1		1		3	3	2		3	
		C409B.4	1	1	1	1	1	3	1	1		2	3	3	3	2		3	
		C409B.5	1	1			3	2		1	3	3	1	3	3	2		3	
		Avg	2.20	2.20	2.50	2.50	1.40	2.50	1.00	1.00	3.00	1.60	2.00	3.00	3.00	2.00		3.00	
C410C	(ELECTIVE-IV ) Product Design and Development	C410C.1	3	2	3	2	2	2	1			1	2	3	2	1		2	PVD
		C410C.2	3	2	3	2	1	2				1	1	3	2	1		1	
		C410C.3	3	2	3	2	2	2	1			1	2	3	2	1		2	
		C410C.4	3	2	3	2	1	2				1	2	3	2	2		2	
		C410C.5	3	2	3	2	1	2				1	2	3	2	2		2	
		C410C.6	3	2	3	2	2	1				1	2	3	3	2		2	
		Avg	3.00	2.00	3.00	2.00	1.50	1.83	1.00			1.00	1.83	3.00	2.17	1.50		1.83	
C411	PROJECT-II	C411.1	2	3	2	2	1	1	2	1		3	2		2	1		1	KMJ
		C411.2	3	2	3	3	2	1		1		1	1	1	2	2		2	
		C411.3	3	2	1	1	1	2	2	1	3	1	1	1	1	3	1	1	
		C411.4	1	1	1	1	1	2	1	3	1	3	1	1			1	1	
		C411.5	1	2	2	2	1	1				1		1	1	1	2	2	
		C411.6								1	3	1		2					
		Avg	2.00	2.00	1.80	1.80	1.20	1.40	1.70	1.40	2.30	1.70	1.30	1.20	1.50	1.80	1.30	1.40	



**DEPARTMENT OF MECHANICAL ENGINEERING**

**CLASS:TE**

**SEM:-1**

**YEAR: 2019-20**

Course Code	Course Name	Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	FACULTY	
C301	Design of Machine Elements-I	C301.1	3	2	2	2		1	1		1	1	1	1	3		3	2	SHK	
		C301.2	2	2	3	1	1	1	1		1	1	1	1	2	2	3	3		
		C301.3	3	1	3	1		1	1		1	1	1		2		2	2		
		C301.4	1	1	3	1		1	1		1	1	1	1	3		3	3		
		C301.5	2	1	3			1	1		1	1	1		2		3	3		
		C301.6	2	1	3	1		1	1		1	1	1		3		2	2		
Avg		2.17	1.33	2.83	1.20	1.00	1.00	1.00		1.00	1.00	1.00	1.00	2.50	2.00	2.67	2.50			
C302	Heat Transfer	C302.1	3	2	1	1		1	1	1	2	1	1	2	2	1	2	3	PRC	
		C302.2	3	3	2	1	2	1	1		2	2	2	2	2	1	2	2		
		C302.3	3	3	2	3	2	3	1	1	3	2		3	3	2	2	2		
		C302.4	3	3	2	2	2	2	1	1	2	2	2	2	2	1	2	2		
		C302.5	3	2	1	1	1	1	1	1	2	2		2	3	2	3	2		
Avg		3.00	2.60	1.60	1.60	1.75	1.60	1.00	1.00	2.20	1.80	1.67	2.20	2.40	1.40	2.20	2.20			
C303	Theory of Machines-II	C303.1	3	2	2	2	2	2			1	2			1	3	2	2	PDK	
		C303.2	3	3	3	3	1	2							1	3	2	2		3
		C303.3	3	3	3	3	1	2			3	2			1	3	2	2		3
		C303.4	3	3	3	3	2	2		1	3	2			1	3	2	2		3
		C303.5	3	2	2	3	3	2			3	2			1	3	2	2		3
		C303.6	3	3	1	1		2		1	3	2			1	3	2	2		3
Avg		3.0	2.7	2.3	2.5	1.8	2.0		1.0	2.6	2.0		1.0	3	2	2	2.8			
C304	Turbo Machines	C304.1	3	2	2	3		1							2	3		3	3	
		C304.2	3	3	3	3		2	1	1		3			3	3	2	2	3	
		C304.3	3	3	2	2		2	2						2	2		2	3	
		C304.4	2	2	2	1		2	1						2	3		3	3	
Avg		2.75	2.50	2.25	2.25		1.75	1.33	1.00		3.00			2.25	2.75	2.00	2.50	3.00		
C305	Metrology and Quality Control	C305.1	3	1	1		2				1	1		3	3	3		3	MSL	
		C305.2	3	1	1		1				1	1		2	3	3		3		
		C305.3	3	1	1		3				1	1		2	3	3		3		
		C305.4	3	1	1	2	3				1	1		2	3	3		3		
Avg		3.00	1.00	1.00	2.00	2.30				1.00	1.00		2.30	3.00	3.00		3.00			
C306	Skill Development	C306.1	3	2	1			2	2		2	2			2	2			2	
		C306.2	3	2	2			2	1		2	2			3	2			2	
		C306.3	3	2	2			2	1		2	2			2	2			2	
		C306.4	3	2	2			1	1		2	1			2	2			2	
Avg		3.00	2.00	1.75			1.75	1.25		2.00	1.75			2.25	2.00			2.00		

**DEPARTMENT OF MECHANICAL ENGINEERING**

**CLASS:TE**

**SEM:-2**

**YEAR: 2019-20**

Course Code	Course Name	Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	FACULTY
C307	Numerical Methods and Optimization	C307.1	3	1	1	1	2								3	2	2	1	KMJ
		C307.2	2	2	2	1	1								3	3	2	2	
		C307.3	1		1		2	1							2	2	2	1	
		C307.4	1	1	1	1	2			1			1		2	2	3	1	
		C307.5	2	2	1	1	3					1			2	2	1	1	
Avg		1.80	1.50	1.20	1.00	2.00	1.00		1.00		1.00	1.00		2.40	2.20	2.00	1.20		
C308	Design of Machine Elements-II	C308.1	3	1	3	1	2	1		1	2	1		1	2	1		2	HPB
		C308.2	3	1	3	1	2	1		1	2	1		1	2	1		2	
		C308.3	2	2		1		1		1				1	2			2	
		C308.4	3	1	3	1	3	1		1	2	1		1	2			2	
		C308.5	2		2					1		2		1	2			2	
		C308.6	2		2							2		1	1			2	
Avg		2.50	1.30	2.60	1.00	2.30	1.00		1.00	2.00	1.40		1.00	1.80	1.00		2.00		
C309	Refrigeration and Air Conditioning	C309.1	3	2	2	1	2	1							3	2	2	1	MSY
		C309.2	2	2	2	1	1								1	1	2	2	
		C309.3	1		1			1	1						1	2	2	3	
		C309.4	2	2	1	1									2	1	2	2	
		C309.5	2	2	1	1	1	1	1	1					3	2	3	2	
Avg		2.00	2.00	1.40	1.00	1.33	1.00	1.00	1.00					2.00	1.60	2.20	2.00		
C310	Mechatronics	C310.1	3	1	2	2	1	2			2				3	2	2	1	DDR
		C310.2	2	2	2	2	2	2	2		2				1	2	2	2	
		C310.3	3	2	1	1	2	1	2		2				2	1	2	1	
		C310.4	2	1	3	2	1	1			1				3	3	2	2	
		C310.5	2	1	3	2	1	2			1				2	2	2	1	
		C310.6	2	2	3	2	2	1			1				2	2	3	1	
Avg		2.33	1.50	2.33	1.83	1.50	1.50	2.00		1.50				2.17	2.00	2.17	1.33		
C311	Manufacturing -Process-II	C311.1	3	1	2									1	3	2	2	1	SMB
		C311.2	3	1	3										3	3	2	2	
		C311.3	2	1	3		3								2	2	2	1	
		C311.4	2		3									1	2	2	3	1	
Avg		2.50	1.00	2.75		3.00							1.00	2.50	2.25	2.25	1.25		
C313	Seminar	C313.1	3	2		3	2	1	1	2		2		3	3	3	3	1	MSY
		C313.2	2	2		3	2	2	1	3		3		3	3	3	3	1	
		C313.3	2	2		2		1	1	2				2	2	2	3	2	
		C313.4	2				3			3		3		3	1	1	3		
		C313.5	1				3			2		3		2		3	3		
Avg		2.00	2.00		2.67	2.50	1.33	1.00	2.40		2.75		2.60	2.25	2.40	3.00	1.33		
C314	Audit Course	C3014.1			2			1		3	3				1	1	1	1	AAB
		C3014.2	3	3	3	3	2	3	3	1	3	3	2	3	1	1	1	1	
		C3014.3	3	3	3	3	3	3	2	2	3	3	3	3	1	1	1	1	
		Avg		3.00	3.00	2.70	3.00	2.50	2.30	2.50	2.00	3.00	3.00	2.50	3.00	1.00	1.00	1.00	



<b>C410A</b>	<b>(ELECTIVE-IV) Advanced Manufacturing Processes</b>	C410A. 2	2	3	0	0	0	0	0	0	0	0	0	0
		C410A. 3	3	0	0	0	0	0	0	0	0	0	0	0
		C410A. 4	1	0	3	0	0	0	0	0	0	0	0	0
		C410A. 5	2	0	3	0	0	0	0	0	0	0	0	0
		C410A. 6	0	2	0	0	0	0	0	0	0	0	0	0
				1.8	0.8	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

<b>C411</b>	<b>PROJECT-II</b>	C411.1	2	1	2	0	1	1	1	1	2	0	2	1
		C411.2	1	0	0	0	3	0	0	0	0	0	1	0
		C411.3	1	0	0	2	1	0	0	0	1	0	0	1
		C411.4	0	0	0	0	0	0	2	0	0	3	1	0
		C411.5	0	0	1	1	0	0	0	1	0	0	2	1
				0.8	0.2	0.6	0.6	1	0.2	0.6	0.4	0.6	0.6	1.2

**DEPARTMENT OF MECHANICAL ENGINEERING**

**CO PO mapping**

CLASS:SE

YEAR: 2017-18

Course Code	Course Name	Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C208	FM	C208.1	1	0	0	0	0	0	0	0	0	0	0	0
		C208.2	2	3	1	0	0	0	0	0	0	0	0	0
		C208.3	2	3	1	0	0	0	0	0	0	0	0	0
		C208.4	2	3	1	0	0	0	0	0	0	0	0	0
		C208.5	3	2	0	0	0	0	0	0	0	0	0	0
			2	2.2	0.6	0	0	0	0	0	0	0	0	

C209	SOFT SKILLS	C209.1	0	0	0	0	0	0	0	0	1	3	1	2
		C209.2	0	0	0	0	0	0	0	2	2	3	2	2
		C209.3	0	0	0	0	0	0	0	2	2	3	2	3
			0	0	0	0	0	0	0	2.7	3.7	7.0	3.7	5.0

C210	TOM-1	C210.1	1	0	0	0	0	0	0	0	0	0	0	0
		C210.2	2	2	1	0	0	1	0	0	0	0	0	0
		C210.3	2	2	1	0	0	0	0	0	0	0	0	0
		C210.4	3	0	0	0	0	0	0	0	0	0	0	0
		C210.5	3	2	0	0	0	0	0	0	0	0	0	0
			2.2	1.2	0.4	0	0	0.2	0	0	0	0	0	

C211	Engineering Metallurgy	C211.1	3	2	1	0	0	0	0	0	0	0	0	0
		C211.2	2	3	2	0	0	0	0	0	0	0	0	0
		C211.3	3	1	2	2	0	0	0	0	0	0	0	0
		C211.4	1	2	3	2	0	0	0	0	0	0	0	0
		C211.5	2	0	3	2	2	0	0	0	0	0	0	0
		C211.6	3	2	0	2	0	0	0	0	0	0	0	0
			2.3	1.7	1.8	1.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	

C212	Applied Thermodynamics	C212.1	3	1	0	0	0	2	2	0	0	0	0	2
		C212.2	3	3	2	2	0	1	2	1	0	0	0	1
		C212.3	3	3	2	2	0	1	2	1	0	0	0	1
		C212.4	1	2	0	3	2	1	2	0	0	0	0	1
		C212.5	2	2	3	2	0	3	3	3	0	0	0	2
		C212.6	3	3	3	2	0	2	2	1	0	0	0	0
			2.5	2.3	1.7	1.8	0.3	1.7	2.2	1.0	0.0	0.0	0.0	

C213	Electrical and Electronics Engineering	C213.1	2	1	0	2	2	0	1	0	0	1	2	0
		C213.2	2	1	0	2	2	0	1	0	0	1	2	0
		C213.3	2	1	0	2	2	0	1	0	0	1	2	0
			2	1	0	2	2	0	1	0	0	1	2	

C214	Machine Shop - I	C214.1	3	0	3	0	0	2	1	1	3	2	0	3
		C214.2	3	3	3	0	0	3	2	2	3	2	0	3
		C214.3	3	2	0	3	0	3	2	2	3	2	0	2
			3.0	1.7	2.0	1.0	0.0	2.7	1.7	1.7	3.0	2.0	0.0	

**DEPARTMENT OF MECHANICAL ENGINEERING**  
**CO PO mapping**

CLASS:TE

YEAR: 2017-18

Course Code	Course Name	Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C307	Numerical Methods and Optimization	C307.1	3	1	1	1	2	0	0	0	0	0	0	0
		C307.2	2	2	2	1	1	0	0	0	0	0	0	0
		C307.3	1	0	1	0	2	1	0	0	0	0	0	0
		C307.4	1	1	1	1	2	0	0	1	0	0	1	0
		C307.5	2	2	1	1	3	0	0	0	0	1	0	0
			1.8	1.2	1.2	0.8	2	0.2	0	0.2	0	0.2	0.2	0
C308	Design of Machine Elements-II	C308.1	1	0	1	0	0	0	0	0	0	0	0	0
		C308.2	1	2	2	0	1	0	0	0	2	0	0	0
		C308.3	1	0	1	0	0	0	0	0	0	0	0	0
		C308.4	1	1	2	1	1	0	0	0	2	0	0	0
		C308.5	2	1	2	0	0	0	0	0	0	0	0	0
			1.2	0.8	1.5	0.2	0.3	0.0	0.0	0.0	0.7	0.0	0.0	0.0
C309	Refrigeration and Air Conditioning	C309.1	3	2	2	1	2	1	0	0	0	0	0	0
		C309.2	2	2	2	1	1	0	0	0	0	0	0	0
		C309.3	1	0	1	0	0	1	1	0	0	0	0	0
		C309.4	2	2	1	1	0	0	0	0	0	0	0	0
		C309.5	2	2	0	1	1	1	1	1	0	0	0	0
			2	1.6	1.2	0.8	0.8	0.6	0.4	0.2	0	0	0	0
C310	Mechatronics	C310.1	2	1	0	0	0	0	0	0	1	0	0	2
		C310.2	2	2	0	0	0	0	0	0	2	0	0	1
		C310.3	2	3	1	0	2	0	0	0	1	0	0	2
		C310.4	2	0	2	0	1	0	0	0	1	0	0	2
		C310.5	3	2	2	0	1	0	0	0	0	0	0	1
		C310.6	2	0	1	0	0	0	0	0	1	0	0	1
			2.2	1.3	1.0	0.0	0.7	0.0	0.0	1.0	0.0	0.0	1.5	
C311	Manufacturing -Process-II	C311.1	1	0	0	0	0	0	0	0	0	0	0	0
		C311.2	2	2	1	2	0	1	0	0	0	0	0	0
		C311.3	2	2	1	0	0	0	0	0	0	0	0	0
		C311.4	1	0	0	0	0	0	0	0	0	0	0	0
			1.5	1	0.5	0.5	0	0.25	0	0	0	0	0	
C312	Machine Shop-II	C312.1	2	0	0	0	1	0	0	0	0	0	0	0
			2	0	0	0	1	0	0	0	0	0	0	0
C313	Seminar	C313.1	0	1	0	1	2	1	1	0	0	3	0	1
		C313.2	0	2	0	1	1	0	0	0	1	2	0	0
		C313.3	1	2	0	1	0	1	1	0	0	0	0	0
		C313.4	0	0	0	0	0	0	0	0	0	3	0	1
		C313.5	0	0	0	0	3	0	0	0	0	0	0	0
			0.2	1	0	0.6	1.2	0.4	0.4	0	0.2	1.6	0	0.4
C314	Audit Course	C3014.1	0	0	2	0	0	1	0	3	3	0	0	0
		C3014.2	3	3	3	3	2	3	3	1	3	3	2	3
		C3014.3	3	3	3	3	3	3	2	2	3	3	3	3
			2	2	3	2	2	2	2	3	2	2	2	

**DEPARTMENT OF MECHANICAL ENGINEERING**  
**CO-PO/PSO Mapping**

CLASS:BE

SEM:-1

YEAR: 2020-21

Course Code	Course Name	Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	FACULTY	
C401	Hydraulics and Pneumatics	C401.1	1	2	1	1	1						1			1	1	2	DDR	
		C401.2	1	1	2	1						1		1	1	1	1	2		2
		C401.3	2	2	2	2	2	1				2		2	2	1	2	2		3
		C401.4	3	2	3	1			1	2		3		2	2	2	1	2		2
		C401.5	2	1	3	1	2	1	2			3		2	2	2	2	3		3
		C401.6	1	2	1	2	1	2				2				2	2	3		3
		Avg	1.67	1.67	2.00	1.33	1.50	1.25	2.00			2.20		1.50	1.75	1.60	1.50	2.17		2.50
C402	CAD CAM & Automation	C402.1	3	3	3	2	3						3		3	3	3	3	2	SVS
		C402.2	3	3	3	2	3						3		3	3	3	3	2	
		C402.3	3	3	3	3	3						3		3	3	3	3	3	
		C402.4	3	2	3	2	3						3		3	3	3	3	2	
		C402.5	3	2	3	2	3						3		3	3	3	3	2	
		C402.6	3	2	3	2	3						3		3	3	3	3	1	
		Avg	3.00	2.50	3.00	2.17	3.00						3.00		3.00	3.00	3.00	3.00	3.00	
C403	Dynamics of Machinery	C403.1	3	2	2	2	2	2							2				2	PVD
		C403.2	3	3	3	2	3	2							2				3	
		C403.3	3	3	3	2	2	2							2				2	
		C403.4	3	3	2	2	3	2							2				2	
		C403.5	3	3	3	2	3	2							2				2	
		C403.6	3	2	2	2	2	3							3				2	
		Avg	3.00	2.67	2.50	2.00	2.50	2.17								2.17				
C404A	Finite Element Analysis	C404A.	3	1	1	1	2	1	1					1	1	3	2	1	1	AAB
		C404A.	3	2	2	1	2	1	1					1	1	3	2	1	2	
		C404A.	3	3	3	3	3	2	1					1		2	2	1	3	
		C404A.	3	1	2	2	3							1	1	3	2	1	2	
		C404A.	3	3	3	3	3	1						1	1	3	3	1	2	
		C404A.	3	3	3	3	3	2	1					1	1	3	3		3	
		Avg	3.00	2.17	2.33	2.17	2.67	1.40	1.00					1.00	1.00	2.83	2.33	1.00	2.17	
C404B	Computational Fluid Dynamics	C404B.1	3	3	2									2	3		2		VBG	
		C404B.2	3	3	2									2	3		2			
		C404B.3	3	3	2	3	3			1			1		2	3	3	2		3
		C404B.4	3	3	2	3	3			1			1		2	3	3	2		3
		C404B.5	3			3	3			1			1		2	3	3	2		3
		C404B.6	3	3	2		3			1			1		2	3	3	2		3
		Avg	3.00	3.00	2.00	3.00	3.00			1.00			1.00		2.00	3.00	3.00	2.00		3.00
C405A	Automobile Engineering	C405A.1	3	2	1	0	1	3	2	0	0	0	0	3	3	2	1	1	MSG	
		C405A.2	3	3	2	1	0	2	2	0	0	0	0	3	3	2	2	1		
		C405A.3	3	2	1	1	0	3	2	0	0	0	0	3	3	2	3	1		
		C405A.4	3	1	2	1	0	2	3	0	0	0	0	3	3	3	3	1		
		Avg	3.00	2.00	1.50	1.00	1.00	2.50	2.25					3.00	3.00	2.25	2.25	1.00		
C405B	Operational Research	C405B.1	3	2	2	1	0	1	0	0	0	0	0	1	0	2	0	3	SCM	
		C405B.2	3	2	2	1	0	1	0	0	0	0	0	1	1	1	0	1		
		C405B.3	1	0	1	1	1	1	0	0	1	0	2	2	0	2	0	3		
		C405B.4	1	1	1	1	0	0	0	1	0	1	3	1	1	1	0	3		
		C405B.5	2	3	1	1	0	0	1	0	0	0	2	1	1	1	0	1		
		C405B.6	1	2	1	1	0	0	1	0	0	0	2	1	0	2	0	3		
		Avg	1.83	2.00	1.33	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.25	1.17	1.00	1.50		2.33		
C406	Project I	C406.1	2.0	3.0	2.0	2.0	1.0	1.0	2.0	1.0		3.0	2.0		2.0	1.0		1.0	SCM	
		C406.2	3.0	2.0	3.0	3.0	2.0	1.0		1.0		1.0	1.0	1.0	2.0	2.0		2.0		
		C406.3	3.0	2.0	1.0	1.0	1.0	2.0	2.0	1.0	3.0	1.0	1.0	1.0	1.0	3.0	1.0	1.0		
		C406.4	1.0	1.0	1.0	1.0	1.0	2.0	1.0	3.0	1.0	3.0	1.0	1.0			1.0	1.0		
		C406.5	1.0	2.0	2.0	2.0	1.0	1.0					1.0		1.0	1.0	1.0	2.0		2.0
		C406.6									1.0	3.0	1.0		2.0					
		Avg	2.00	2.00	1.80	1.80	1.20	1.40	1.67	1.40	2.33	1.67	1.25	1.20	1.50	1.75	1.33	1.40		

DEPARTMENT OF MECHANICAL ENGINEERING  
CO-PO/PSO Mapping

Course Code	Course Name	Course Outcome	SEM:-2														FACULTY			
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2		PSO3	PSO4	
C407	Energy Engineering	C407.1	3	2	2	1	1	1	2	1	1	2		2	2	1	2	2	PRC	
		C407.2	3	2	3	2	1	2	3	2	1	2	1	3	2	1	1	2		
		C407.3	3	2	2	2	1	2	2	1	2	2	1	2	2	1	2	2		
		C407.4	3	3	3	2	2	2	2	1	2	2		2	2	1	2	2		
		C407.5	3	2	2	2	1	2	3	1	1	3	1	3	2	1	2	2		
		C407.6	2	1	1	1	1	1	1		1	2	2	2	2	1	1	2		
		Avg	2.83	2.00	2.17	1.67	1.17	1.67	2.17	1.20	1.33	2.17	1.25	2.33	2.00	1.00	1.67	2.00		
C408	Mechanical System Design	C408.1	3	1	2		1	1		1	1	1		1	3	2	2	1	SHK	
		C408.2	3	2	3	1	3	1	1	1	2	1	1	1	3	3	2	2		
		C408.3	2	1	3		1	1		1	1		1	2	2	2	2	1		
		C408.4	2	2	3	1	1	1	1	1	2	2	1	1	2	2	3	1		
		Avg	2.50	1.50	2.75	1.00	1.67	1.00	1.00	1.00	1.50	1.25	1.00	1.00	2.50	2.25	2.25	1.25		
C409B	(ELECTIVE-III) Industrial Engineering	C409B.1	3	3	3	3	1			1		1		3	3	2		3	MSL	
		C409B.2	3	3	3	3	1			1		1		3	3	2		3		
		C409B.3	3	3	3	3	1			1		1		3	3	2		3		
		C409B.4	1	1	1	1	1	3	1	1		2	3	3	3	2		3		
		C409B.5	1	1			3	2		1	3	3	1	3	3	2		3		
		Avg	2.20	2.20	2.50	2.50	1.40	2.50	1.00	1.00	3.00	1.60	2.00	3.00	3.00	2.00		3.00		
C409C	(ELECTIVE-III) Robotics	C409.1	2.00	1.00	2.00	1.00		2.00	1.00	1.00				2.00	3.00		1.00	1.00	SCM	
		C409.2	2.00	1.00	2.00	1.00		2.00	1.00	1.00				2.00	3.00		1.00	2.00		
		C409.3	2.00	2.00	2.00	2.00	3.00		1.00					2.00	3.00		1.00	2.00		
		C409.4	3.00	2.00	2.00		3.00							2.00	3.00		1.00	2.00		
		C409.5	3.00	2.00	2.00		3.00							2.00	3.00		2.00	2.00		
		C409.6	1.0	2.0	2.0	2.0	3.0		1.0					2.0	3.0		2.0	2.0		
		Avg	2.2	1.7	2.0	1.5	3.0	2.0	1.0	1.0			2.0	3.0		1.3	1.8			
C410A	(ELECTIVE-IV) Advanced Manufacturing Process	C410A.1	3	2	2	2	3	2						1	3	2	1	3	AAB	
		C410A.2	3	3	3	1	3	1						2	3	3	1	3		
		C410A.3	3	3	3	2	2	2							2	3	2	2		
		C410A.4	3	3	3	2	3	3						1	3	3	1	3		
		C410A.5	3	3	3	2	3	2						1	3	2	1	3		
		C410A.6	3	2	3	2	3	1						1	3	3	1	3		
		Avg	3.00	2.67	2.83	1.83	2.83	1.83					1.20	2.83	2.67		2.83			
C410B	(ELECTIVE-IV) Solar & Wind Energy	C410B.1	2	2	2	2	2							2	3		1	3	VBG	
		C410B.2	2	2	2	2	2							2	3		1	3		
		C410B.3	2	2	2	2	2							2	3		1	3		
		C410B.4	2	2	2	2	2							2	3		1	3		
		Avg	2.00	2.00	2.00	2.00	2.00							2.00	3.00			3.00		
C410C	(ELECTIVE-IV) Product Design and Development	C410C.1	3	2	3	2	2	2	1			1	2	3	2	1		2	PVD	
		C410C.2	3	2	3	2	1	2				1	1	3	2	1		1		
		C410C.3	3	2	3	2	2	2	1			1	2	3	2	1		2		
		C410C.4	3	2	3	2	1	2				1	2	3	2	2		2		
		C410C.5	3	2	3	2	1	2				1	2	3	2	2		2		
		C410C.6	3	2	3	2	2	1				1	2	3	3	2		2		
		Avg	3.00	2.00	3.00	2.00	1.50	1.83	1.00		1.00	1.83	3.00	2.17	1.50		1.83			
C411	PROJECT-II	C411.1	2	3	2	2	1	1	2	1		3	2		2	1		1	SCM	
		C411.2	3	2	3	3	2	1	0	1	0	1	1	1	2	2	0	2		
		C411.3	3	2	1	1	1	2	2	1	3	1	1	1	1	3	1	1		
		C411.4	1	1	1	1	1	2	1	3	1	3	1	1			1	1		
		C411.5	1	2	2	2	1	1				1		1	1	1	1	2		2
		C411.6								1	3	1		2						
		Avg	2.00	2.00	1.80	1.80	1.20	1.40	1.67	1.40	2.33	1.67	1.25	1.20	1.50	1.75	1.33	1.40		

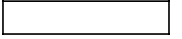
**DEPARTMENT OF MECHANICAL ENGINEERING**  
**CO-PO/PSO Mapping**

CLASS:SE

SEM:-1

YEAR: 2020-21

Course Code	Course Name	Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	FACULTY			
C201	Solid Mechanics	C201.1	3	2	2	2	2	1		2	2	1		2	2	2	2		HPB			
		C201.2	2	2	2	2	2	1						2				2				
		C201.3	3	2	2	2		1			2	2		2		2				2		
		C201.4	2	2	2	1		1				1		1						2		
		C201.5	3	2	2	2					2				2						2	
		C201.6	3	2	3	2		1							2	2					2	
		Avg	2.67	2.00	2.17	1.83	2.00	1.00			2.00	2.00	1.33		1.83	2.00	2.00	2.00		2.00		
C202	Solid Modeling and Drafting	C202.1	3	3	3		3							2	3			2	SMB			
		C202.2	2	2	2		3							2	3			2				
		C202.3	3	3	2	2	3							2	3			1		3		
		C202.4	3	3	2		3	1						1	2			1		3		
		C202.5	2	2	2		3							2	3			2		3		
		C202.6	2	2	2		3	1		3		2		2	2			2		3		
		Avg	2.50	2.50	2.17	2.00	3.00	1.00		3.00		2.00		1.83	2.67			1.50		2.67		
C203	Engineering Thermodynamics	C203.1	3	2	2									2	3			3	3	AHK		
		C203.2	3	3	2		3	1	1					2	3			3	3			
		C203.3	3	3	2				1					2	3			3	3			
		C203.4	3	3	2			1	1					1	2			2	3			
		C203.5	2	2	2	2		3	3					2	3			3	3			
		C203.6	2	2	2	2		3	2	3		2		2	2			2	2			
		Avg	2.67	2.50	2.00	2.00	3.00	2.00	1.60	3.00		2.00		1.83	2.67			2.67	2.83			
C204	Engineering Materials and Metallurgy	C204.1	3	2	2	1	1	1						2	3			1	1	SCB		
		C204.2	3	2	3	1	1	2	2					1	3			1	2			
		C204.3	3	2	3	2	2	2	2					2	3			1	2			
		C204.4	3	3	3	2								1	3			1	2			
		C204.5	3	3	2	2		2	1					1	3			2	2			
		C204.6	3	3	2	2		2	2					2	3			2	2			
		Avg	3.00	2.50	2.50	1.67	1.33	1.80	1.75					1.50	3.00			1.33	1.83			
C205	Electrical and Electronics Engineering	C205.1	3	2	2	3	1							1		3	2	1	DSY			
		C205.2	3	2	2	2	3							2		3	2	2				
		C205.3	3	3	2	1										1						
		C205.4	3.00	2.00		1.00																
		C205.5	1.00	2.00	1.00	2.00			2.00								2.00	1.00		1.00		
		C205.6	3.00	2.00		2.00			2.00								2.00			1.00		
		Avg	2.67	2.17	1.75	1.83	2.00		2.00								2.20	1.67		1.25		
C206	Geometric Dimensioning and Tolerancing Lab	C206.1	2		2					2		2		2	1				SVS/SCM			
		C206.2	2									2		2	2					1		
		C206.3	2	2				2		2		2		2	2					2		
		C206.4	2	2																2		
		C206.5	2	2	2			2						2	2					2		
		Avg	2.00	2.00	2.00			2.00		2.00		2.00		2.00	1.75					1.75		
C207	Audit Course - III	C207.1	2	3						2	1	3		3				1	SCM			
		C207.2									1	1	3		3					1		
		C207.3	2	3							2	1	3		3					1		
		C207.4	1	1	1	1	1	1	1	1	1	1	3	1	3					1		
		Avg	1.67	2.33	1.00	1.00	1.00	1.00	1.00	1.00	1.50	1.00	3.00	1.00	3.00					1.00		



**DEPARTMENT OF MECHANICAL ENGINEERING**

**CO-PO/PSO Mapping**

		CLASS:SE		SEM:-2									YEAR: 2020-21								FACULTY
Course Code	Course Name	Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4			
C208	Engg Mathematics III	C208.1	3	3	3	1		3						2	3	3	1	3	ASJ		
		C208.2	3	3	3	2		2						1	3	2	2	3			
		C208.3	3	3	3	2	1	3						2	3	2		3			
		C208.4	3	2	3	1	2	3							3	1		2			
		C208.5	3	3	3	2	2	3						2	3	2	1	3			
		Avg	3.0	2.8	3.0	1.6	1.7	2.8							1.8	3.0	2.0	1.3		2.8	
C209	Kinematics of Machinery	C209.1	3	3	3	2	3				1	2		2	3		2	3	PDK		
		C209.2	3			2	3							2	3		2	2			
		C209.3	3	2	1	2								2	2						
		C209.4	3	1	2			1		1	3	3		2	3		2	2			
		C209.5	3	2	2			1		1				2	3		1	1			
		Avg	3.0	2.0	2.0	2.0	3.0	1.0		1.0		2.5	2.0	2.8		1.8	2.0				
C210	Applied Thermodynamics	C210.1	3	3	2	2		2	2					2	3		2	2	AHK		
		C210.2	3	2				1	2	1				1	3		2	2			
		C210.3	3	2				1	2	1				1	3		2	2			
		C210.4	3	3	2	3	2	2	2					1	2	2	3	3			
		C210.5	2	2		2		3	3	3		2		2	3	1	2	3			
		C210.6	3	3	2	3		2	2					1	3		3	2			
Avg	2.83	2.50	2.00	2.50	2.00	1.83	2.17	1.67		2.00		1.33	2.83	1.50	2.33	2.33					
C211	Fluid Mechanics	C211.1	3					1	1					3	2		1		SVS		
		C211.2	3	2	2					1				2	2		1	2			
		C211.3	3	2										2	2		1	1			
		C211.4	3	2	2		2							2	2		2	2			
		C211.5	3	2	2		1							2	2		2	2			
		C211.6	3	3	2	2								2	2		2	2			
Avg	3.0	2.2	2.0	2.0	1.5	1.0	1.0					2.2	2.0		1.5	1.8					
C212	Manufacturing Process	C212.1	3	2	3	1								2	3		2	3	SMB		
		C212.2	3	2	3	1								2	3		2	2			
		C212.3	3	3	3	1								2	3		2	3			
		C212.4	3	2										2	3		1	2			
		C212.5	3	2										2	3		2	2			
		C212.6	3	2	1		2							2	3		3	1			
Avg	3.0	2.2	2.5	1.0	2.0							2.0	3.0		2.0	2.2					
C213	Mashone Shop I	C213.1	3	1							2			2	3		2	3	SMB		
		C213.2	3	1							2			2	3		2	2			
		C213.3	3	1							2			2	3		2	3			
		C213.4	3	1	2	1					2			2	3		1	2			
		C213.5	3	1							2	2	3	2	3		2	2			
		C213.6	3	1	1									2	3		3	1			
Avg	3.00	1.00	1.50	1.00					2.00	2.00	3.00	2.00	3.00		2.00	2.17					
C214	Project Based Learning II	C214.1	3	2	1	2	2	1	1	1		1		1	2	3	2	1	DDR		
		C214.2	2	3		3	1	1	1	2		3		3	2	3	3	1			
		C214.3	2	3	2	2	2	2	1	2				2	3	2	3	2			
		C214.4	2	1	1	1	2	1	1	3		3		3	2	2	3	1			
		C214.5	1	2	1	1	3	2	1	1	1		3	1	2	1	2	2			
		C214.6	1	2	1	1	1			2	3	3	1	2	1	3	3				
Avg	1.8	2.2	1.2	1.7	1.8	1.4	1.0	1.8	2.0	2.5	2.0	2.0	2.0	2.0	2.3	2.7	1.4				
C215	Audit Course IV	C214.1												3			3		MSG		
		C214.2					3						3			3					
		C214.3										3				3					
		C214.4								3						3					
Avg					3.0			3.0		3.0		3.0		3.0							



**DEPARTMENT OF MECHANICAL ENGINEERING**  
**CO-PO/PSO Mapping**

CLASS:TE

SEM:-1

YEAR: 2020-21

Course Code	Course Name	Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	FACULTY
C301	Design of Machine Element-1	C301.1	3	2	2	2		1	1		1	1	1	1	3		3	2	SHK
		C301.2	2	2	3	1	1	1	1		1	1	1	1	2	2	3	3	
		C301.3	3	1	3	1		1	1		1	1	1		2		2	2	
		C301.4	1	1	3	1		1	1		1	1	1	1	3		3	3	
		C301.5	2	1	3			1	1		1	1	1		2		3	3	
		C301.6	2	1	3	1		1	1		1	1	1		3		2	2	
		Avg	2.17	1.33	2.83	1.20	1.00	1.00	1.00		1.00	1.00	1.00	1.00	2.50	2.00	2.67	2.50	
C302	Heat Transfer	C302.1	3	2	1	1		1	1	1	2	1	1	2	2	1	2	3	PRC
		C302.2	3	3	2	1	2	1	1		2	2	2	2	2	1	2	2	
		C302.3	3	3	2	3	2	3	1	1	3	2		3	3	2	2	2	
		C302.4	3	3	2	2	2	2	1	1	2	2	2	2	2	1	2	2	
		C302.5	3	2	1	1	1	1	1	1	2	2		2	3	2	3	2	
		Avg	3.00	2.60	1.60	1.60	1.75	1.60	1.00	1.00	2.20	1.80	1.67	2.20	2.40	1.40	2.20	2.20	
C303	Theory of Machines II	C303.1	3	2	2	2	2	2			1	2		1	3	2	2	2	PDK
		C303.2	3	3	3	3	1	2						1	3	2	2	3	
		C303.3	3	3	3	3	1	2			3	2		1	3	2	2	3	
		C303.4	3	3	3	3	2	2		1	3	2		1	3	2	2	3	
		C303.5	3	2	2	3	3	2			3	2		1	3	2	2	3	
		C303.6	3	3	1	1		2		1	3	2		1	3	2	2	3	
		Avg	3.00	2.67	2.33	2.50	1.80	2.00		1.00	2.60	2.00		1.00	3.00	2.00	2.00	2.83	
C304	Turbo Machines	C304.1	3	2	2	3		1						2	3		3	3	MSY
		C304.2	3	3	3	3		2	1	1		3		3	3	2	2	3	
		C304.3	3	3	2	2		2	2					2	2		2	3	
		C304.4	2	2	2	1		2	1					2	3		3	3	
		Avg	2.75	2.50	2.25	2.25		1.75	1.33	1.00		3.00		2.25	2.75	2.00	2.50	3.00	
C305	Metrology and Quality Control	C305.1	3	1	1		2				1	1		3	3	3		3	MSL
		C305.2	3	1	1		1				1	1		2	3	3		3	
		C305.3	3	1	1		3				1	1		2	3	3		3	
		C305.4	3	1	1	2	3				1	1		2	3	3		3	
		Avg	3.00	1.00	1.00	2.00	2.25				1.00	1.00		2.25	3.00	3.00		3.00	
C306	Skill Development	C306.1	3											2	3		2		VBG
		C306.2	3	2	2									2	3		2		
		C306.3	3	2	2									2	3	2	3		
		C306.4	3	2	3		3							3	3	2	2		
		Avg	3.00	2.00	2.33		3.00							2.25	3.00	2.00	2.25		

**DEPARTMENT OF MECHANICAL ENGINEERING**  
**CO-PO/PSO Mapping**

Course Code	Course Name	CLASS:TE		SEM:-2								YEAR: 2020-21								FACULTY
		Course Outcome	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO8	PO 9	PO1 0	PO1 1	PO1 2	PSO1	PSO2	PSO3	PSO4		
C307	Numerical Methods and Optimization	C307.1	3	1	1	1	2								3	2	2	1	MSG	
		C307.2	2	2	2	1	1								3	3	2	2		
		C307.3	1		1		2	1							2	2	2	1		
		C307.4	1	1	1	1	2			1		1			2	2	3	1		
		C307.5	2	2	1	1	3					1			2	2	1	1		
		Avg	1.80	1.50	1.20	1.00	2.00	1.00		1.00		1.00	1.00		2.40	2.20	2.00	1.20		
C308	Design of Machine Elements-II	C308.1	3	1	3	1	2	1		1	2	1		1	2	1		2	HPB	
		C308.2	3	1	3	1	2	1		1	2	1		1	2	1		2		
		C308.3	2	2		1		1		1				1	2			2		
		C308.4	3	1	3	1	3	1		1	2	1		1	2			2		
		C308.5	2		2					1		2		1	2			2		
		C308.6	2		2							2		1	1			2		
Avg	2.50	1.25	2.60	1.00	2.33	1.00		1.00	2.00	1.40		1.00	1.83	1.00		2.00				
C309	Refrigeration and Air Conditioning	C309.1	2	2	2	1	2	1							3	2	2	1	MSY	
		C309.2	2	2	2	1	1								1	1	2	2		
		C309.3	1		1			1	1						1	2	2	3		
		C309.4	2	2	1	1									2	1	2	2		
		C309.5	2	2	1	1	1	1	1	1					3	2	3	2		
		Avg	1.80	2.00	1.40	1.00	1.33	1.00	1.00	1.00					2.00	1.60	2.20	2.00		
C310	Mechatronics	C310.1	3	1	2	2	1	2			2				3	2	2	1	DDR	
		C310.2	2	2	2	2	2	2	2		2				1	2	2	2		
		C310.3	3	2	1	1	2	1	2		2				2	1	2	1		
		C310.4	2	1	3	2	1	1			1				3	3	2	2		
		C310.5	2	1	3	2	1	2			1				2	2	2	1		
		C310.6	2	2	3	2	2	1			1				2	2	3	1		
Avg	2.33	1.50	2.33	1.83	1.50	1.50	2.00		1.50				2.17	2.00	2.17	1.33				
C311	Manufacturing Process-II	C311.1	3	1	2									1	3	2	2	1	SCB	
		C311.2	3	1	3										3	3	2	2		
		C311.3	2	1	3		3								2	2	2	1		
		C311.4	2		3										1	2	2	3		1
		Avg	2.50	1.00	2.75		3.00								1.00	2.50	2.25	2.25		1.25
C312	Machine	C312.1	2		1		2	1		1	2	1	1	2	2	2		2	SCB	
		Avg	2.0		1.0		2.0	1.0		1.0	2.0	1.0	1.0	2.0	2.0	2.0		2.0		
C313	Seminar	C313.1	3	2		3	2	1	1	2		2		3	3	3	3	1	SCM	
		C313.2	2	2		3	2	2	1	3		3		3	3	3	3	1		
		C313.3	2	2		2		1	1	2				2	2	2	3	2		
		C313.4	2				3			3		3		3	1	1	3			
		C313.5	1				3			2		3		2		3	3			
		Avg	2.00	2.00		2.67	2.50	1.33	1.00	2.40		2.75		2.60	2.25	2.40	3.00	1.33		
C314	Audit Course	C3014.1			2			1		3	3				1	1	1	1	AAB	
		C3014.2	3	3	3	3	2	3	3	1	3	3	2	3	1	1	1	1		
		C3014.3	3	3	3	3	3	3	2	2	3	3	3	3	1	1	1	1		
		Avg	3.00	3.00	2.67	3.00	2.50	2.33	2.50	2.00	3.00	3.00	2.50	3.00	1.00	1.00	1.00	1.00		

**DEPARTMENT OF MECHANICAL ENGINEERING**  
**CO-PO/PSO Mapping**

CLASS:BE

SEM:-1

YEAR: 2021-22

Course Code	Course Name	Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	FACULTY	
C401	Hydraulics & Pneumatics	401.1	1.0	2.0	1.0	1.0	1.0						1.0			1.0	1.0	2.0	VBG	
		401.2	1.0	1.0	2.0	1.0						1.0		1.0	1.0	1.0	1.0	2.0		2.0
		401.3	2.0	2.0	2.0	2.0	2.0	2.0	1.0			2.0			2.0	1.0	2.0	2.0		3.0
		401.4	3.0	2.0	3.0	1.0			1.0	2.0		3.0			2.0	2.0	1.0	2.0		2.0
		401.5	2.0	1.0	3.0	1.0	2.0	1.0	2.0			3.0			2.0	2.0	2.0	3.0		3.0
		401.6	1.0	2.0	1.0	2.0	1.0	2.0				2.0				2.0	2.0	3.0		3.0
Avg			1.67	1.67	2.00	1.33	1.50	1.25	2.00		2.20		1.50	1.75	1.60	1.50	2.17	2.50		

C402	CAD CAM & AUTOMATION	C402.1	3.0	3.0	3.0	2.0	3.0					3.0		3.0	3.0	3.0	3.0	3.0	2.0	SVS	
		C402.2	3.0	3.0	3.0	2.0	3.0					3.0		3.0	3.0	3.0	3.0	3.0	3.0		2.0
		C402.3	3.0	3.0	3.0	3.0	3.0					3.0		3.0	3.0	3.0	3.0	3.0	3.0		3.0
		C402.4	3.0	2.0	3.0	2.0	3.0					3.0		3.0	3.0	3.0	3.0	3.0	3.0		2.0
		C402.5	3.0	2.0	3.0	2.0	3.0					3.0		3.0	3.0	3.0	3.0	3.0	3.0		2.0
		C402.6	3.0	2.0	3.0	2.0	3.0					3.0		3.0	3.0	3.0	3.0	3.0	3.0		1.0
Avg			3.00	2.50	3.00	2.17	3.00					3.00		3.00	3.00	3.00	3.00	3.00	2.00		

C403	Dynamics of Machinery	C403.1	3.0	2.0	2.0	2.0	2.0	2.0								2.0			2.0	PDK
		C403.2	3.0	3.0	3.0	2.0	3.0	2.0								2.0			3.0	
		C403.3	3.0	3.0	3.0	2.0	2.0	2.0								2.0			2.0	
		C403.4	3.0	3.0	2.0	2.0	3.0	2.0								2.0			2.0	
		C403.5	3.0	3.0	3.0	2.0	3.0	2.0								2.0			2.0	
		C403.6	3.0	2.0	2.0	2.0	2.0	3.0								3.0			2.0	
Avg			3.00	2.67	2.50	2.00	2.50	2.17							2.17			2.17		

		C404A.1	3.0				2.0							3.0	2.0				
		C404A.2	3.0	3.0		3.0	3.0	2.0						3.0	2.0	2.0			2.0

<b>C404A</b>	<b>FINITE ELEMENT ANALYSIS</b>	C404A.3	3.0	3.0	3.0	3.0	3.0	2.0						3.0	2.0	2.0		2.0	
		C404A.4	3.0	3.0	2.0	3.0	3.0	2.0							3.0	2.0			2.0
		C404A.5	3.0	3.0		3.0	3.0	2.0							3.0	2.0	2.0	2.0	2.0
		C404A.6	3.0	3.0		3.0	3.0	2.0	2.0						3.0	2.0	2.0		2.0
		Avg	3.00	3.00	2.50	3.00	2.83	2.00	2.00						3.00	2.00	2.00	2.00	2.00

SCM

<b>C405A</b>	<b>Automobile Engineering</b>	C405A.1	3.0	2.0	1.0		1.0	3.0	2.0					3.0	3.0	2.0	1.0	1.0
		C405A.2	3.0	3.0	2.0	1.0		2.0	2.0					3.0	3.0	2.0	2.0	1.0
		C405A.3	3.0	2.0	1.0	1.0		3.0	2.0					3.0	3.0	2.0	3.0	1.0
		C405A.4	3.0	1.0	2.0	1.0		2.0	3.0					3.0	3.0	3.0	3.0	1.0
		Avg	3.00	2.00	1.50	1.00	1.00	2.50	2.25					3.00	3.00	2.25	2.25	1.00

MSG

<b>C405C</b>	<b>Energy Audit and Management</b>	C405C.1	1.0		1.0	1.0		1.0	3.0	1.0			1.0	1.0	2.0			3.0
		C405C.2	2.0	2.0	3.0	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0	2.0			3.0
		C405C.3	1.0	1.0	1.0	1.0		1.0	1.0		1.0	1.0	3.0	1.0	1.0	2.0		
		C405C.4	1.0	2.0	2.0	1.0	1.0	1.0	2.0			1.0		1.0	2.0			3.0
		C405C.5	1.0	2.0	2.0	1.0	1.0	1.0	2.0			1.0		1.0	2.0			3.0
		C405C.6	2.0	3.0	2.0		1.0	1.0	1.0			1.0		1.0	3.0		2.0	2.0
		Avg	1.33	2.00	1.83	1.00	1.00	1.00	1.67	1.00	1.00	1.00	1.67	1.00	2.00	2.00	2.00	2.80

VCT

<b>C406</b>	<b>Project Stage-I</b>	C406.1	2.0	3.0	2.0	2.0	1.0	1.0	2.0	1.0		3.0	2.0		2.0	1.0		1.0
		C406.2	3.0	2.0	3.0	3.0	2.0	1.0		1.0		1.0	1.0	1.0	2.0	2.0		2.0
		C406.3	3.0	2.0	1.0	1.0	1.0	2.0	2.0	1.0	3.0	1.0	1.0	1.0	1.0	3.0	1.0	1.0
		C406.4	1.0	1.0	1.0	1.0	1.0	2.0	1.0	3.0	1.0	3.0	1.0	1.0			1.0	1.0
		C406.5	1.0	2.0	2.0	2.0	1.0	1.0				1.0		1.0	1.0	1.0	2.0	2.0
		C406.6								1.0	3.0	1.0		2.0				
		Avg	2.00	2.00	1.80	1.80	1.20	1.40	1.67	1.40	2.33	1.67	1.25	1.20	1.50	1.75	1.33	1.40

SCM

**DEPARTMENT OF MECHANICAL ENGINEERING**

**CO-PO/PSO Mapping**

CLASS:BE		SEM:-2										YEAR: 2020-21								
Course Code	Course Name	Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	FACULTY	
C407	Energy Engineering	C407.1	3.0	2.0	2.0	1.0	1.0	1.0	2.0	1.0	1.0	2.0		2.0	2.0	1.0	2.0	2.0	PRC	
		C407.2	3.0	2.0	3.0	2.0	1.0	2.0	3.0	2.0	1.0	2.0	1.0	3.0	2.0	1.0	1.0	2.0		
		C407.3	3.0	2.0	2.0	2.0	1.0	2.0	2.0	2.0	1.0	2.0	2.0		2.0	2.0	1.0	2.0		2.0
		C407.4	3.0	3.0	3.0	2.0	2.0	2.0	2.0	1.0	2.0	2.0		2.0	2.0	1.0	2.0	2.0		2.0
		C407.5	3.0	2.0	2.0	2.0	1.0	2.0	3.0	1.0	1.0	3.0	1.0	3.0	2.0	1.0	2.0	2.0		2.0
		C407.6	2.0	1.0	1.0	1.0	1.0	1.0	1.0		1.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0		2.0
		Avg	2.83	2.00	2.17	1.67	1.17	1.67	2.17	1.20	1.33	2.17	1.25	2.33	2.00	1.00	1.67	2.00		
C408	Mechanical System Design	C408.1	3.0	1.0	2.0		1.0	1.0		1.0	1.0	1.0		1.0	3.0	2.0	2.0	1.0	SHK	
		C408.2	3.0	2.0	3.0	1.0	3.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0	3.0	3.0	2.0	2.0		
		C408.3	2.0	1.0	3.0			1.0			1.0	1.0		1.0	2.0	2.0	2.0	1.0		
		C408.4	2.0	2.0	3.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	1.0	1.0	2.0	2.0	3.0	1.0		
		Avg	2.50	1.50	2.75	1.00	1.67	1.00	1.00	1.00	1.50	1.25	1.00	1.00	2.50	2.25	2.25	1.25		
C409B	(ELECTIVE-III) Industrial Engineering	C409B.1	3.0	3.0	3.0	3.0	1.0			1.0		1.0		3.0	3.0	2.0		3.0	MSL	
		C409B.2	3.0	3.0	3.0	3.0	1.0			1.0		1.0		3.0	3.0	2.0		3.0		
		C409B.3	3.0	3.0	3.0	3.0	1.0			1.0		1.0		3.0	3.0	2.0		3.0		
		C409B.4	1.0	1.0	1.0	1.0	1.0	3.0	1.0	1.0		2.0	3.0	3.0	3.0	2.0		3.0		
		C409B.5	1.0	1.0			3.0	2.0		1.0	3.0	3.0	1.0	3.0	3.0	2.0		3.0		
		Avg	2.20	2.20	2.50	2.50	1.40	2.50	1.00	1.00	3.00	1.60	2.00	3.00	3.00	2.00		3.00		
C410C	(ELECTIVE-IV) Product Design and Development	C410C.1	3.0	2.0	3.0	2.0	2.0	2.0	1.0			1.0	2.0	3.0	2.0	1.0		2.0	MSY	
		C410C.2	3.0	2.0	3.0	2.0	1.0	2.0				1.0	1.0	3.0	2.0	1.0		1.0		
		C410C.3	3.0	2.0	3.0	2.0	2.0	2.0	1.0			1.0	2.0	3.0	2.0	1.0		2.0		
		C410C.4	3.0	2.0	3.0	2.0	1.0	2.0				1.0	2.0	3.0	2.0	2.0		2.0		
		C410C.5	3.0	2.0	3.0	2.0	1.0	2.0				1.0	2.0	3.0	2.0	2.0		2.0		
		C410C.6	3.0	2.0	3.0	2.0	2.0	1.0				1.0	2.0	3.0	3.0	2.0		2.0		
		Avg	3.00	2.00	3.00	2.00	1.50	1.83	1.00			1.00	1.83	3.00	2.17	1.50		1.83		
C411	PROJECT-II	C411.1	2.0	3.0	2.0	2.0	1.0	1.0	2.0	1.0		3.0	2.0		2.0	1.0		1.0	SCM	
		C411.2	3.0	2.0	3.0	3.0	2.0	1.0		1.0		1.0	1.0	1.0	2.0	2.0		2.0		
		C411.3	3.0	2.0	1.0	1.0	1.0	2.0	2.0	1.0	3.0	1.0	1.0	1.0	1.0	3.0	1.0	1.0		
		C411.4	1.0	1.0	1.0	1.0	1.0	2.0	1.0	3.0	1.0	3.0	1.0	1.0			1.0	1.0		
		C411.5	1.0	2.0	2.0	2.0	1.0	1.0				1.0		1.0	1.0	1.0	2.0	2.0		
		C411.6								1.0	3.0	1.0		2.0						
		Avg	2.0	2.0	1.8	1.8	1.2	1.4	1.7	1.4	2.3	1.7	1.3	1.2	1.5	1.8	1.3	1.4		
		Avg	1.33	1.67	1.60	1.60	1.07	1.47	1.33					1.30	1.25	1.38	1.44	1.47		

**DEPARTMENT OF MECHANICAL ENGINEERING**

**CO-PO/PSO Mapping**

**CLASS:SE**

**SEM:-1**

**YEAR: 2021-22**

Course Code	Course Name	Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	FACULTY	
C201	Solid Mechanics	C201.1	3.0	2.0	2.0	2.0	2.0	1.0		2.0	2.0	1.0		2.0	2.0	2.0	2.0	2.0	HPB	
		C201.2	2.0	2.0	2.0	2.0	2.0	1.0						2.0				2.0		
		C201.3	3.0	2.0	2.0	2.0		1.0			2.0	2.0		2.0		2.0		2.0		
		C201.4	2.0	2.0	2.0	1.0		1.0				1.0		1.0						2.0
		C201.5	3.0	2.0	2.0	2.0				2.0				2.0						2.0
		C201.6	3.0	2.0	3.0	2.0		1.0						2.0	2.0					2.0
		Avg	2.67	2.00	2.17	1.83	2.00	1.00		2.00	2.00	1.33		1.83	2.00	2.00	2.00	2.00		

C202	Solid Modeling and Drafting	C202.1	3.0	3.0	3.0		3.0							2.0	3.0			2.0	KMJ
		C202.2	2.0	2.0	2.0		3.0							2.0	3.0			2.0	
		C202.3	3.0	3.0	2.0	2.0	3.0							2.0	3.0		1.0	3.0	
		C202.4	3.0	3.0	2.0		3.0	1.0						1.0	2.0		1.0	3.0	
		C202.5	2.0	2.0	2.0		3.0							2.0	3.0		2.0	3.0	
		C202.6	2.0	2.0	2.0		3.0	1.0		3.0		2.0		2.0	2.0		2.0	3.0	
		Avg	2.50	2.50	2.17	2.00	3.00	1.00		3.00		2.00		1.83	2.67		1.50	2.67	

C203	Engineering Thermodynamics	C203.1	3.0	2.0	2.0									2.0	3.0		3.0	3.0	AHK
		C203.2	3.0	3.0	2.0		3.0	1.0	1.0					2.0	3.0		3.0	3.0	
		C203.3	3.0	3.0	2.0				1.0					2.0	3.0		3.0	3.0	
		C203.4	3.0	3.0	2.0			1.0	1.0					1.0	2.0		2.0	3.0	
		C203.5	2.0	2.0	2.0	2.0		3.0	3.0					2.0	3.0		3.0	3.0	
		C203.6	2.0	2.0	2.0	2.0		3.0	2.0	3.0		2.0		2.0	2.0		2.0	2.0	
		Avg	2.67	2.50	2.00	2.00	3.00	2.00		3.00		2.00		1.83	2.67		2.67	2.83	

C204	Engineering Materials and Metallurgy	C204.1	3.0	2.0	2.0	1.0	1.0	1.0						2.0	3.0		1.0	1.0	SCB
		C204.2	3.0	2.0	3.0	1.0	1.0	2.0	2.0					1.0	3.0		1.0	2.0	
		C204.3	3.0	2.0	3.0	2.0	2.0	2.0	2.0					2.0	3.0		1.0	2.0	
		C204.4	3.0	3.0	3.0	2.0								1.0	3.0		1.0	2.0	
		C204.5	3.0	3.0	2.0	2.0		2.0	1.0					1.0	3.0		2.0	2.0	
		C204.6	3.0	3.0	2.0	2.0		2.0	2.0					2.0	3.0		2.0	2.0	
		Avg	3.00	2.50	2.50	1.67	1.33	1.80						1.50	3.00		1.33	1.83	

C205	Electrical and Electronics Engineering	C205.1	3.0	2.0	2.0	3.0	1.0							1.0		3.0	2.0	1.0	MSY
		C205.2	3.0	2.0	2.0	2.0	3.0							2.0		3.0	2.0	2.0	
		C205.3	3.0	3.0	2.0	1.0										1.0			
		C205.4	3.0	2.0		1.0													
		C205.5	1.0	2.0	1.0	2.0			2.0							2.0	1.0	1.0	
		C205.6	3.0	2.0		2.0			2.0							2.0		1.0	
		Avg	2.67	2.17	1.75	1.83	2.00		2.00							2.20	1.67	1.25	

C206	Geometric Dimensioning and	C206.1	2.0		2.0					2.0		2.0		2.0	1.0				SCM
		C206.2	2.0									2.0		2.0	2.0			1.0	
		C206.3	2.0	2.0				2.0		2.0		2.0		2.0	2.0			2.0	

	<b>Tolerancing Lab</b>	C206.4	2.0	2.0													2.0	/DSB	
		C206.5	2.0	2.0	2.0			2.0					2.0	2.0					2.0
		Avg	2.00	2.00	2.00			2.00		2.00		2.00		2.00	1.75				1.75

<b>C207</b>	<b>Audit Course - III (Technical English For Engineers)</b>	C207.1	2.0	3.0					2.0	1.0	3.0		3.0			1.0		DSB	
		C207.2								1.0	1.0	3.0		3.0			1.0		
		C207.3	2.0	3.0						2.0	1.0	3.0		3.0			1.0		
		C207.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0	1.0	3.0			1.0		
		Avg	1.67	2.33	1.00	1.00	1.00	1.00	1.00	1.50	1.00	3.00	1.00	3.00			1.00		

**DEPARTMENT OF MECHANICAL ENGINEERING**

**CO-PO/PSO Mapping**

CLASS:SE		SEM:-2											YEAR: 2021-22							
Course Code	Course Name	Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	FACULTY	
C208	Engg Mathematics III	C208.1	3.0	3.0	3.0	1.0		3.0							2.0	3.0	3.0	1.0	3.0	ASJ
		C208.2	3.0	3.0	3.0	2.0		2.0							1.0	3.0	2.0	2.0	3.0	
		C208.3	3.0	3.0	3.0	2.0	1.0	3.0							2.0	3.0	2.0		3.0	
		C208.4	3.0	2.0	3.0	1.0	2.0	3.0							2.0	3.0	2.0	1.0	3.0	
		C208.5	3.0	3.0	3.0	2.0	2.0	3.0							2.0	3.0	2.0	1.0	3.0	
		Avg	3.00	2.80	3.00	1.60	1.67	2.80						1.75	3.00	2.00	1.33	2.80		
C209	Kinematics of Machinery	C209.1	3.0	3.0	3.0	2.0	3.0					1.0	2.0		2.0	3.0		2.0	3.0	PDK
		C209.2	3.0			2.0	3.0								2.0	3.0		2.0	2.0	
		C209.3	3.0	2.0	1.0	2.0									2.0	2.0				
		C209.4	3.0	1.0	2.0			1.0		1.0	3.0	3.0			2.0	3.0		2.0	2.0	
		C209.5	3.0	2.0	2.0			1.0		1.0					2.0	3.0		1.0	1.0	
		Avg	3.00	2.00	2.00	2.00	3.00	1.00	1.00			2.50		2.00	2.80		1.75	2.00		
C210	Applied Thermodynamics	C210.1	3.0	3.0	2.0	2.0		2.0	2.0						2.0	3.0		2.0	2.0	KMJ
		C210.2	3.0	2.0				1.0	2.0	1.0					1.0	3.0		2.0	2.0	
		C210.3	3.0	2.0				1.0	2.0	1.0					1.0	3.0		2.0	2.0	
		C210.4	3.0	3.0	2.0	3.0	2.0	2.0	2.0						1.0	2.0	2.0	3.0	3.0	
		C210.5	2.0	2.0		2.0		3.0	3.0	3.0		2.0			2.0	3.0	1.0	2.0	3.0	
		C210.6	3.0	3.0	2.0	3.0		2.0	2.0						1.0	3.0		3.0	2.0	
		Avg	2.83	2.50	2.00	2.50	2.00	1.83	2.17	1.67			2.00	1.33	2.83		2.33	2.33		
C211	Fluid Mechanics	C211.1	3.0					1.0	1.0						3.0	2.0		1.0		MSG
		C211.2	3.0	2.0	2.0				1.0						2.0	2.0		1.0	2.0	
		C211.3	3.0	2.0											2.0	2.0		1.0	1.0	
		C211.4	3.0	2.0	2.0		2.0								2.0	2.0		2.0	2.0	
		C211.5	3.0	2.0	2.0		1.0								2.0	2.0		2.0	2.0	
		C211.6	3.0	3.0	2.0	2.0									2.0	2.0		2.0	2.0	
		Avg	3.00	2.20	2.00	2.00	1.50	1.00	1.00					2.17	2.00		1.50	1.80		
C212	Manufacturing Process	C212.1	3.0	2.0	3.0	1.0									2.0	3.0		2.0	3.0	SMB
		C212.2	3.0	2.0	3.0	1.0									2.0	3.0		2.0	2.0	
		C212.3	3.0	3.0	3.0	1.0									2.0	3.0		2.0	3.0	
		C212.4	3.0	2.0											2.0	3.0		1.0	2.0	
		C212.5	3.0	2.0											2.0	3.0		2.0	2.0	
		C212.6	3.0	2.0	1.0		2.0								2.0	3.0		3.0	1.0	
		Avg	3.00	2.17	2.50	1.00	2.00							2.00	3.00		2.00	2.17		
C213	Mashone Shop I	C206.1	3.0	1.0								2.0			2.0	3.0		2.0	3.0	SMB
		C206.2	3.0	1.0								2.0			2.0	3.0		2.0	2.0	
		C206.3	3.0	1.0								2.0			2.0	3.0		2.0	3.0	
		C206.4	3.0	1.0	2.0	1.0						2.0			2.0	3.0		1.0	2.0	
		C206.5	3.0	1.0							2.0	2.0	3.0		2.0	3.0		2.0	2.0	
		C206.6	3.0	1.0	1.0										2.0	3.0		3.0	1.0	
		Avg	3.00	1.00	1.50	1.00				2.00	2.00	3.00		2.00	3.00		2.00	2.17		
C214	Project Based Learning - II	C214.1	3.0	2.0	1.0	2.0	2.0	1.0	1.0	1.0		1.0		1.0	2.0	3.0	2.0	1.0		SCM
		C214.2	2.0	3.0		3.0	1.0	1.0	1.0	2.0		3.0		3.0	2.0	3.0	3.0	3.0	1.0	
		C214.3	2.0	3.0	2.0	2.0	2.0	2.0	1.0	2.0					2.0	3.0	2.0	3.0	2.0	
		C214.4	2.0	1.0	1.0	1.0	2.0	1.0	1.0	3.0		3.0		3.0	2.0	2.0	3.0	3.0	1.0	
		C214.5	1.0	2.0	1.0	1.0	3.0	2.0	1.0	1.0	1.0		3.0	1.0	2.0	1.0	2.0	2.0	2.0	
		C214.6	1.0	2.0	1.0	1.0	1.0			2.0	3.0	3.0	1.0	2.0	1.0	3.0	3.0			
		Avg	1.83	2.17	1.20	1.67	1.83	1.40	1.00	1.83	2.00	2.50	2.00	2.00	2.00	2.33	2.67	1.40		
C215	Audit Course - III	C215.1													3.0			3.0		MSG
		C215.2					3.0								3.0			3.0		
		C215.3										3.0		3.0	3.0			3.0		
		C215.4								3.0				3.0	3.0			3.0		
		Avg					3.00			3.00		3.00		3.00			3.00			

DEPARTMENT OF MECHANICAL ENGINEERING

Direct PO & PSO Attainment

CLASS:SE SEM:-1

CLASS:SE SEM:-1

YEAR: 21-22

Course Code	Course Name	FACULTY	CO/PO	CO Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO 2	PSO 3	PSO4				
C21	Solid Mechanics	HPB	C201.1	2.30	3.00	2.00	2.00	2.00	2.00	1.00		2.00	2.00	1.00		2.00	2.00	2.00	2.00	2.00				
			C201.2	2.30	2.00	2.00	2.00	2.00	2.00	1.00							2.00				2.00			
			C201.3	2.50	3.00	2.00	2.00	2.00	2.00		1.00				2.00	2.00		2.00		2.00		2.00		
			C201.4	3.00	2.00	2.00	2.00	1.00		1.00						1.00		1.00				2.00		
			C201.5	0.00	3.00	2.00	3.00	2.00						2.00				2.00				2.00		
			C201.6	3.00	3.00	2.00	3.00	2.00			1.00							2.00	2.00				2.00	
			Sum of weight			16.00	12.00	14.00	###	4.00	5.00		0.70	0.70	0.70			11.00	4.00	4.00	2.00	12.00		
Overall Direct PO Attainment			<b>2.40</b>	<b>1.80</b>	<b>2.10</b>	<b>1.60</b>	<b>1.50</b>	<b>0.90</b>		<b>1.80</b>	<b>1.60</b>	<b>1.20</b>			<b>1.60</b>	<b>1.80</b>	<b>1.60</b>	<b>1.50</b>	<b>1.80</b>					
C22	Solid Modeling and Drafting	KMJ	C202.1	2.83	3.00	3.00	3.00		3.00							2.00	3.00			2.00				
			C202.2	2.72	2.00	2.00	2.00		3.00								2.00	3.00			2.00			
			C202.3	2.90	3.00	3.00	2.00	2.00	3.00									2.00	3.00		1.00	3.00		
			C202.4	2.91	3.00	3.00	2.00		3.00	1.00								1.00	2.00		1.00	3.00		
			C202.5	2.91	2.00	2.00	2.00		3.00									2.00	3.00		2.00	3.00		
			C202.6	2.91	2.00	2.00	2.00		3.00	1.00		3.00		3.00		2.00		2.00	2.00		2.00	3.00		
			Sum of weight			15.00	15.00	13.00	2.00	###	2.00		3.00					2.00		11.00	16.00		6.00	16.00
Overall Direct PO Attainment			<b>2.40</b>	<b>2.40</b>	<b>2.10</b>	<b>1.90</b>	<b>2.90</b>	<b>1.00</b>		<b>2.90</b>					<b>1.90</b>		<b>1.70</b>	<b>2.50</b>		<b>1.50</b>	<b>2.60</b>			
C23	Engineering Thermodynamics	AHK	C203.1	2.83	3.00	2.00	2.00									2.00	3.00		3.00	3.00				
			C203.2	2.82	3.00	3.00	2.00		3.00	1.00	1.00						2.00	3.00		3.00	3.00			
			C203.3	2.70	3.00	3.00	2.00					1.00						2.00	3.00		3.00	3.00		
			C203.4	2.61	3.00	3.00	2.00				1.00	1.00						1.00	2.00		2.00	3.00		
			C203.5	2.51	2.00	2.00	2.00	2.00		3.00	3.00							2.00	3.00		3.00	3.00		
			C203.6	2.51	2.00	2.00	2.00	2.00		3.00	2.00	3.00		3.00		2.00		2.00	2.00		2.00	2.00		
			Sum of weight			16.00	15.00	12.00	4.00	3.00	8.00	8.00	3.00			2.00		11.00	16.00		16.00	17.00		
Overall Direct PO Attainment			<b>2.40</b>	<b>2.20</b>	<b>1.80</b>	<b>1.70</b>	<b>2.80</b>	<b>1.70</b>	<b>1.40</b>	<b>2.50</b>					<b>1.70</b>		<b>1.60</b>	<b>2.40</b>		<b>2.40</b>	<b>2.50</b>			
C24	Engineering Materials and Metallurgy	SMB	C204.1	3.00	3.00	2.00	2.00	1.00	1.00	1.00							2.00	3.00		1.00	1.00			
			C204.2	3.00	3.00	2.00	3.00	1.00	1.00	2.00	2.00							1.00	3.00		1.00	2.00		
			C204.3	3.00	3.00	2.00	3.00	2.00	2.00	2.00	2.00								2.00	3.00		1.00	2.00	
			C204.4	3.00	3.00	3.00	3.00	2.00											1.00	3.00		1.00	2.00	
			C204.5	3.00	3.00	3.00	2.00	2.00		2.00	1.00								1.00	3.00		2.00	2.00	
			C204.6	3.00	3.00	3.00	2.00	2.00		2.00	2.00								2.00	3.00		2.00	2.00	
			Sum of weight			18.00	15.00	15.00	1.00	4.00	9.00	7.00							9.00	18.00		8.00	11.00	
Overall Direct PO Attainment			<b>3.00</b>	<b>2.50</b>	<b>2.50</b>	<b>1.70</b>	<b>1.30</b>	<b>1.80</b>	<b>1.80</b>							<b>1.50</b>	<b>3.00</b>		<b>1.30</b>	<b>1.80</b>				
C25	Electrical and Electronics Engineering	MSY	C205.1	3.00	3.00	2.00	2.00	3.00	1.00								1.00		3.00	2.00	1.00			
			C205.2	3.00	3.00	2.00	2.00	2.00	3.00									2.00		3.00	2.00	2.00		
			C205.3	3.00	3.00	3.00	2.00	1.00													1.00			
			C205.4	3.00	3.00	2.00		1.00																
			C205.5	3.00	1.00	2.00	1.00	2.00				2.00									2.00	1.00	1.00	
			C205.6	3.00	3.00	2.00		2.00				2.00									2.00		1.00	
			Sum of weight			16.00	13.00	7.00	###	4.00		4.00							3.00		11.00	5.00	5.00	
Overall Direct PO Attainment			<b>2.60</b>	<b>1.90</b>	<b>1.60</b>	<b>1.60</b>	<b>2.00</b>		<b>1.30</b>							<b>1.50</b>		<b>1.90</b>	<b>1.40</b>	<b>1.10</b>				
C26	Geometric Dimensioning and Tolerancing Lab	SCM/DSB	C206.1	2.29	2.00		2.00						2.00		2.00		2.00	1.00						
			C206.2	2.29	2.00											2.00		2.00	2.00			1.00		
			C206.3	2.29	2.00	2.00					2.00		2.00		2.00		2.00		2.00	2.00			2.00	
			C206.4	2.29	2.00	2.00																	2.00	
			C206.5	2.29	2.00	2.00	2.00				2.00								2.00	2.00				2.00
			Sum of weight			10.00	6.00	4.00				4.00		4.00				6.00		8.00	7.00			7.00
Overall Direct PO Attainment			<b>1.50</b>	<b>1.50</b>	<b>1.50</b>				<b>1.50</b>		<b>1.50</b>				<b>1.50</b>		<b>1.50</b>	<b>1.30</b>			<b>1.30</b>			
C27	Audit Course - III	DSB	C207.1	2.98	2.00	3.00							2.00	1.00	3.00		3.00			1.00				
			C207.2	2.98											1.00	1.00	3.00		3.00			1.00		
			C207.3	2.98	2.00	3.00									2.00	1.00	3.00		3.00			1.00		
			C207.4	2.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	3.00	1.00	3.00				1.00		
			Sum of weight			5.00	7.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	6.00	4.00	12.00	1.00	12.00				4.00	
Overall Direct PO Attainment			<b>1.70</b>	<b>2.30</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.50</b>	<b>1.00</b>	<b>3.00</b>	<b>1.00</b>	<b>3.00</b>				<b>1.00</b>				

DEPARTMENT OF MECHANICAL ENGINEERING  
Direct PO & PSO Attainment

CLASS:TE SEM:-1

YEAR: 2021-22

Course Code	Course Name	FACULTY	CO/PO	CO Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO 2	PSO 3	PSO4		
C301	Numerical and Statistical Methods	MSG	C301.1	1.77	3.00				2.00				2.00	1.00		1.00	2.00	2.00				
			C301.2	1.77	3.00				2.00					2.00	1.00		1.00	2.00	2.00			
			C301.3	1.77	3.00		2.00		2.00						2.00	1.00		1.00	2.00	2.00		2.00
			C301.4	1.95	3.00		2.00		2.00						2.00	1.00		1.00	2.00	2.00		
			C301.5	1.95	3.00	2.00				2.00					2.00	1.00		1.00	2.00	2.00		2.00
			C301.6	1.95	3.00					2.00					2.00	1.00		1.00	2.00	2.00		
			Sum of weight		18.00	2.00	4.00		12.00						12.00	6.00		6.00	12.00	12.00		4.00
<b>Overall Direct PO Attainment</b>		<b>1.90</b>	<b>1.30</b>	<b>1.20</b>		<b>1.20</b>						<b>1.20</b>	<b>0.60</b>		<b>0.60</b>	<b>1.20</b>	<b>1.20</b>		<b>1.20</b>			
C302	Heat and Mass Transfer	PRC	C302.1	2.15	3.00	2.00	2.00	1.00	1.00	1.00	2.00	1.00	1.00	2.00		2.00	2.00	1.00	2.00	2.00		
			C302.2	2.15	3.00	2.00	3.00	2.00	1.00	2.00	3.00	2.00	1.00	2.00	1.00	3.00	2.00	1.00	1.00	1.00	2.00	
			C302.3	2.85	3.00	2.00	2.00	2.00	1.00	2.00	2.00	1.00	2.00	2.00	1.00	2.00	2.00	1.00	2.00	2.00	2.00	
			C302.4	3.00	3.00	3.00	3.00	2.00	2.00	2.00	2.00	1.00	2.00	2.00		2.00	2.00	1.00	2.00	2.00	2.00	
			C302.5	3.00	3.00	2.00	2.00	2.00	1.00	2.00	3.00	1.00	1.00	3.00	1.00	3.00	2.00	1.00	2.00	2.00	2.00	
			C302.6	3.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00	2.00	1.00	1.00	1.00	2.00
			Sum of weight		17.00	12.00	13.00	1.00	7.00	1.00	13.00	6.00	8.00	13.00	5.00	14.00	12.00	6.00	1.00	12.00		
<b>Overall Direct PO Attainment</b>		<b>2.50</b>	<b>1.80</b>	<b>1.90</b>	<b>1.50</b>	<b>1.10</b>	<b>1.50</b>	<b>1.90</b>	<b>1.00</b>	<b>1.20</b>	<b>2.00</b>	<b>1.20</b>	<b>2.10</b>	<b>1.80</b>	<b>0.90</b>	<b>1.50</b>	<b>1.80</b>					
C303	Design of Machine Elements	SHK	C303.1	3.00	3.00	2.00	2.00		1.00	1.00		1.00	1.00	1.00	1.00	3.00		3.00	2.00			
			C303.2	3.00	2.00	2.00	3.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	2.00	2.00	3.00	3.00			
			C303.3	3.00	3.00	1.00	3.00	1.00		1.00	1.00		1.00	1.00	1.00		2.00		2.00	2.00		
			C303.4	3.00	1.00	1.00	3.00	1.00		1.00	1.00		1.00	1.00	1.00	1.00	3.00		3.00	3.00		
			C303.5	3.00	2.00	1.00	3.00			1.00	1.00		1.00	1.00	1.00		2.00		3.00	3.00		
			C303.6	3.00	2.00	1.00	3.00	1.00		1.00	1.00		1.00	1.00	1.00		3.00		2.00	2.00		
			Sum of weight		13.00	8.00	17.00	6.00	1.00	6.00	6.00		1.00	1.00	1.00	3.00	15.00	2.00	16.00	15.00		
<b>Overall Direct PO Attainment</b>		<b>2.20</b>	<b>1.30</b>	<b>2.80</b>	<b>1.20</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>		<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>2.50</b>	<b>2.00</b>	<b>2.70</b>	<b>2.50</b>					
C304	Mechatronics	DDR	C304.1	2.83	3.00	1.00	2.00	2.00	1.00	2.00				2.00				3.00	2.00	2.00	1.00	
			C304.2	2.82	2.00	2.00	2.00	2.00	2.00	2.00	2.00				2.00			1.00	2.00	2.00	2.00	
			C304.3	2.70	3.00	2.00	1.00	1.00	2.00	1.00	2.00				2.00			2.00	1.00	2.00	2.00	
			C304.4	2.61	2.00	1.00	3.00	2.00	1.00	1.00					1.00				3.00	3.00	2.00	2.00
			C304.5	2.51	2.00	1.00	3.00	2.00	1.00	2.00					1.00				2.00	2.00	2.00	1.00
			C304.6	2.51	2.00	2.00	3.00	2.00	2.00	1.00					1.00				2.00	2.00	3.00	1.00
			Sum of weight		14.00	9.00	14.00	###	9.00	9.00	4.00				9.00				13.00	12.00	13.00	8.00
<b>Overall Direct PO Attainment</b>		<b>2.20</b>	<b>2.20</b>	<b>1.90</b>	<b>2.00</b>	<b>2.20</b>	<b>2.30</b>	<b>2.60</b>				<b>2.30</b>				<b>1.90</b>	<b>1.80</b>	<b>2.10</b>	<b>1.90</b>			
C305B	Elective I- Machining Science & Technology	MSL	C305B.1	3.00	2.00	2.00	2.00							1.00	1.00	2.00	3.00	1.00		1.00		
			C305B.2	3.00	2.00	2.00	2.00								1.00	1.00	2.00	3.00	1.00		1.00	
			C305B.3	3.00	2.00	2.00	2.00									2.00	1.00	3.00	1.00		1.00	
			C305B.4	3.00	2.00	2.00	2.00	1.00	2.00						1.00	2.00	2.00	3.00	1.00		1.00	
			C305B.5	3.00	1.00	1.00	1.00								1.00	1.00	2.00	3.00	1.00		1.00	
			C305B.6	3.00	1.00		2.00	2.00	2.00						1.00	1.00	1.00	2.00	3.00	2.00		2.00
			Sum of weight		1.00	9.00	11.00	3.00	4.00						1.00	5.00	8.00	11.00	18.00	7.00		7.00
<b>Overall Direct PO Attainment</b>		<b>1.70</b>	<b>1.80</b>	<b>1.80</b>	<b>1.50</b>	<b>2.00</b>						<b>1.00</b>	<b>1.00</b>	<b>1.30</b>	<b>1.80</b>	<b>3.00</b>	<b>1.20</b>		<b>1.20</b>			
C306	Digital Manufacturing Laboratory	MSL	C306.1	3.00	3.00	1.00	1.00	2.00		1.00	1.00	2.00	2.00	2.00	2.00	3.00	3.00	2.00	1.00	3.00		
			C306.2	3.00	3.00	3.00	1.00	2.00		1.00	1.00	2.00	2.00	2.00	2.00	3.00	3.00	2.00	1.00	3.00		
			C306.3	3.00	1.00	1.00	1.00	1.00	3.00	1.00		2.00	2.00	2.00	2.00	3.00	3.00	2.00	1.00	3.00		
			C306.4	3.00	1.00	1.00	3.00	1.00		1.00		2.00	2.00	2.00	2.00	3.00	3.00	2.00	1.00	3.00		
			C306.5	3.00	1.00	1.00		1.00	3.00	1.00		2.00	2.00	2.00	2.00	3.00	3.00	2.00	1.00	3.00		
			Sum of weight		9.00	7.00	6.00	7.00	6.00	5.00	2.00	2.00	2.00	2.00	2.00	15.00	15.00	1.00	5.00	15.00		
			<b>Overall Direct PO Attainment</b>		<b>1.80</b>	<b>1.40</b>	<b>1.50</b>	<b>1.40</b>	<b>3.00</b>	<b>1.00</b>	<b>1.00</b>	<b>2.00</b>	<b>2.00</b>	<b>2.00</b>	<b>2.00</b>	<b>3.00</b>	<b>3.00</b>	<b>2.00</b>	<b>1.00</b>	<b>3.00</b>		
C307	Skill Development	VBG	C307.1	3.00	2.00											3.00	2.00	2.00	2.00	2.00		
			C307.2	3.00	2.00	2.00	2.00		2.00								3.00	2.00	2.00	2.00	2.00	
			C307.3	3.00	2.00	2.00	2.00	2.00	2.00								3.00	2.00	2.00	2.00	2.00	
			C307.4	3.00	2.00	2.00	2.00										3.00	2.00	2.00	2.00	2.00	
			Sum of weight		8.00	6.00	6.00	2.00	4.00								12.00	8.00	8.00	8.00	8.00	
<b>Overall Direct PO Attainment</b>		<b>2.00</b>	<b>2.00</b>	<b>2.00</b>	<b>2.00</b>	<b>2.00</b>								<b>3.00</b>	<b>2.00</b>		<b>2.00</b>					

**DEPARTMENT OF MECHANICAL ENGINEERING**  
**Direct PO & PSO Attainment**

CLASS:BE SEM:-2

YEAR: 2021-22

Course Code	Course Name	FACULTY	CO\PO	CO Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO 2	PSO 3	PSO4			
C407	Energy Engineering	PRC	C407.1	2.10	3.00	2.00	2.00	1.00	1.00	1.00	2.00	1.00	1.00	2.00		2.00	2.00	1.00	2.00	2.00			
			C407.2	2.70	3.00	2.00	3.00	2.00	1.00	2.00	3.00	2.00	1.00	2.00	1.00	3.00	2.00	1.00	1.00	2.00			
			C407.3	2.70	3.00	2.00	2.00	2.00	1.00	2.00	2.00	1.00	2.00	2.00	1.00	2.00	2.00	1.00	2.00	2.00			
			C407.4	2.70	3.00	3.00	3.00	2.00	2.00	2.00	2.00	1.00	2.00	2.00		2.00	2.00	1.00	2.00	2.00			
			C407.5	2.70	3.00	2.00	2.00	2.00	1.00	2.00	3.00	1.00	1.00	3.00	1.00	3.00	2.00	1.00	2.00	2.00			
			C407.6	2.70	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		1.00	2.00	2.00	2.00	1.00	1.00	2.00			
			Sum of weight					17.00	12.00	13.00	1.00	7.00	1.00	13.00	6.00	8.00	13.00	5.00	14.00	12.00	6.00	1.00	12.00
<b>Overall Direct PO Attainment</b>					<b>2.40</b>	<b>1.70</b>	<b>1.90</b>	<b>1.50</b>	<b>1.00</b>	<b>1.50</b>	<b>1.90</b>	<b>1.00</b>	<b>1.20</b>	<b>1.90</b>	<b>1.10</b>	<b>2.00</b>	<b>1.70</b>	<b>0.90</b>	<b>1.40</b>	<b>1.70</b>			
C408	Mechanical System Design	SHK	C408.1	2.2	3.00	1.00	2.00		1.00	1.00		1.00	1.00	1.00		1.00	3.00	2.00	2.00	1.00			
			C408.2	2.3	3.00	2.00	3.00	1.00	3.00	1.00	1.00	1.00	2.00	1.00	1.00	1.00	1.00	3.00	3.00	2.00	2.00		
			C408.3	2.3	2.00	1.00	3.00				1.00				1.00	1.00		1.00	2.00	2.00	2.00	1.00	
			C408.4	2.3	2.00	2.00	3.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	1.00	1.00	2.00	2.00	3.00	1.00		
			Sum of weight					1.00	6.00	11.00	2.00	5.00	4.00	2.00	0.80	1.50	1.30	0.50	4.00	1.00	9.00	9.00	5.00
			<b>Overall Direct PO Attainment</b>					<b>1.90</b>	<b>1.10</b>	<b>2.10</b>	<b>0.80</b>	<b>1.30</b>	<b>0.80</b>	<b>0.80</b>	<b>0.80</b>	<b>1.10</b>	<b>1.00</b>	<b>0.80</b>	<b>0.80</b>	<b>1.90</b>	<b>1.70</b>	<b>1.70</b>	<b>1.00</b>
C409B	Industrial Engineering	MSL	C409B.1	2.30	3.00	3.00	3.00	3.00	1.00			1.00		1.00		3.00	3.00	2.00		3.00			
			C409B.2	2.10	3.00	3.00	3.00	3.00	1.00			1.00		1.00		3.00	3.00	2.00		3.00			
			C409B.3	1.90	3.00	3.00	3.00	3.00	1.00			1.00		1.00		3.00	3.00	2.00		3.00			
			C409B.4	2.00	1.00	1.00	1.00	1.00	1.00	3.00	1.00	1.00		2.00	3.00	3.00	3.00	2.00		3.00			
			C409B.5	2.00	1.00	1.00			3.00	2.00		1.00	3.00	3.00	1.00	3.00	3.00	2.00		3.00			
			Sum of weight					11.00	11.00	10.00	10.00	7.00	5.00	1.00	5.00	3.00	8.00	4.00	15.00	15.00	10.00	0.00	15.00
<b>Overall Direct PO Attainment</b>					<b>1.50</b>	<b>1.50</b>	<b>1.70</b>	<b>1.70</b>	<b>0.90</b>	<b>1.60</b>	<b>0.70</b>	<b>0.70</b>	<b>2.00</b>	<b>1.10</b>	<b>1.30</b>	<b>2.00</b>	<b>2.00</b>	<b>1.40</b>		<b>2.00</b>			
C410B	(ELECTIVE-IV) Solar & Wind Energy	VBG	C410C.1	2.23	2.00	2.00	2.00	2.00	2.00							2.00	3.00		1.00	3.00			
			C410C.2	2.25	2.00	2.00	2.00	2.00								2.00	3.00		1.00	3.00			
			C410C.3	2.15	2.00	2.00	2.00	2.00	2.00							2.00	3.00		1.00	3.00			
			C410C.4	1.45	2.00	2.00	2.00	2.00	2.00							2.00	3.00		1.00	3.00			
			Sum of weight					8.00	8.00	8.00	8.00	6.00					8.00	12.00		4.00	12.00		
			<b>Overall Direct PO Attainment</b>					<b>1.30</b>	<b>1.30</b>	<b>1.30</b>	<b>1.30</b>	<b>1.30</b>						<b>1.30</b>	<b>2.00</b>		<b>0.70</b>	<b>2.00</b>	
C410C	Product Design and Development	MSY	C410C.1	2.80	3.00	2.00	3.00	2.00	2.00	2.00	2.00			1.00	2.00	3.00	2.00			2.00			
			C410C.2	2.40	3.00	2.00	3.00	2.00	1.00	2.00				1.00	1.00	3.00	2.00			1.00			
			C410C.3	2.40	3.00	2.00	3.00	2.00	2.00	2.00	2.00				1.00	2.00	3.00	2.00			2.00		
			C410C.4	1.20	3.00	2.00	3.00	2.00	1.00	2.00	2.00				1.00	2.00	3.00	2.00			2.00		
			C410C.5	1.00	3.00	2.00	3.00	2.00	1.00	2.00	2.00				1.00	2.00	3.00	2.00			2.00		
			C410C.6	1.00	3.00	2.00	3.00	2.00	2.00	1.00	1.00				1.00	2.00	3.00	3.00			2.00		
			Sum of weight					18.00	12.00	18.00	12.00	9.00	11.00				6.00	11.00	18.00	13.00			11.00
<b>Overall Direct PO Attainment</b>					<b>1.80</b>	<b>1.20</b>	<b>1.80</b>	<b>1.20</b>	<b>0.90</b>	<b>1.10</b>				<b>0.60</b>	<b>1.10</b>	<b>1.80</b>	<b>1.30</b>			<b>1.10</b>			
C411	Project II	SCM	C411.1	2.843	2.00	3.00	2.00	2.00	1.00	1.00	2.00	1.00		3.00	2.00		2.00	1.00		1.00			
			C411.2	2.836	3.00	2.00	3.00	3.00	2.00	1.00	1.00		1.00		1.00	1.00	1.00	2.00	2.00		2.00		
			C411.3	2.843	3.00	2.00	1.00	1.00	1.00	2.00	2.00	1.00	3.00	1.00	1.00	1.00	1.00	3.00	1.00	1.00	1.00		
			C411.4	2.836	1.00	1.00	1.00	1.00	1.00	2.00	1.00	3.00	1.00	3.00	1.00	1.00					1.00	1.00	
			C411.5	2.843	1.00	2.00	2.00	2.00	1.00	1.00	1.00				1.00		1.00	1.00	1.00	1.00	2.00	2.00	
			C411.6	2.843										1.00	3.00	1.00		2.00					
			Sum of weight					1.00	1.00	9.00	9.00	6.00	7.00	5.00	7.00	7.00	1.00	5.00	6.00	6.00	7.00	4.00	7.00
<b>Overall Direct PO Attainment</b>					<b>1.90</b>	<b>1.90</b>	<b>1.70</b>	<b>1.70</b>	<b>1.10</b>	<b>1.30</b>	<b>1.60</b>	<b>1.30</b>	<b>2.20</b>	<b>1.60</b>	<b>1.20</b>	<b>1.10</b>	<b>1.40</b>	<b>1.70</b>	<b>1.30</b>	<b>1.30</b>			

**DEPARTMENT OF MECHANICAL ENGINEERING**  
**Direct PO & PSO Attainment**

CLASS:SE SEM:-2

YEAR: 2020-21

Course Code	Course Name	FACULTY	CO\PO	CO Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO 2	PSO 3	PSO4	
C407	Energy Engineering	PRC	C407.1	2.23	3.00	2.00	2.00	1.00	1.00	1.00	2.00	1.00	1.00	2.00		2.00	2.00	1.00	2.00	2.00	
			C407.2	2.23	3.00	2.00	3.00	2.00	1.00	2.00	3.00	2.00	1.00	2.00	1.00	3.00	2.00	1.00	1.00	2.00	
			C407.3	2.23	3.00	2.00	2.00	2.00	1.00	2.00	2.00	1.00	2.00	2.00	1.00	2.00	2.00	1.00	2.00	2.00	
			C407.4	3.00	3.00	3.00	3.00	2.00	2.00	2.00	2.00	1.00	2.00	2.00		2.00	2.00	1.00	2.00	2.00	
			C407.5	3.00	3.00	2.00	2.00	2.00	1.00	2.00	3.00	1.00	1.00	3.00	1.00	3.00	2.00	1.00	2.00	2.00	
			C407.6	3.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		1.00	2.00	2.00	2.00	2.00	1.00	1.00	2.00
			Sum of weight		17.00	12.00	13.00	1.00	7.00	1.00	13.00	6.00	8.00	13.00	5.00	14.00	12.00	6.00	1.00	12.00	
Overall Direct PO Attainment		<b>2.50</b>	<b>1.80</b>	<b>1.90</b>	<b>1.50</b>	<b>1.00</b>	<b>1.50</b>	<b>1.90</b>	<b>1.10</b>	<b>1.20</b>	<b>1.90</b>	<b>1.10</b>	<b>2.10</b>	<b>1.80</b>	<b>0.90</b>	<b>1.50</b>	<b>1.80</b>				
C408	Mechanical System Design	SHK	C408.1	2.40	3.00	1.00	2.00		1.00	1.00		1.00	1.00		1.00	3.00	2.00	2.00	1.00		
			C408.2	2.40	3.00	2.00	3.00	1.00	3.00	1.00	1.00	1.00	2.00	1.00	1.00	1.00	3.00	3.00	2.00	2.00	
			C408.3	2.40	2.00	1.00	3.00				1.00			1.00	1.00		1.00	2.00	2.00	2.00	1.00
			C408.4	2.40	2.00	2.00	3.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	1.00	1.00	2.00	2.00	3.00	3.00	1.00
			Sum of weight		1.00	6.00	11.00	2.00	5.00	4.00	2.00	3.00	6.00	5.00	2.00	4.00	1.00	9.00	9.00	5.00	
Overall Direct PO Attainment		<b>2.00</b>	<b>1.20</b>	<b>2.20</b>	<b>0.80</b>	<b>1.33</b>	<b>0.80</b>	<b>0.80</b>	<b>0.80</b>	<b>1.20</b>	<b>1.00</b>	<b>0.80</b>	<b>0.80</b>	<b>2.00</b>	<b>1.80</b>	<b>1.80</b>	<b>1.00</b>				
C409B	Industrial Engineering	MSL	C409B.1	2.57	3.00	3.00	3.00	3.00	1.00			1.00		1.00		3.00	3.00	2.00		3.00	
			C409B.2	2.77	3.00	3.00	3.00	3.00	1.00				1.00		1.00		3.00	3.00	2.00		3.00
			C409B.3	2.17	3.00	3.00	3.00	3.00	1.00				1.00		1.00		3.00	3.00	2.00		3.00
			C409B.4	2.40	1.00	1.00	1.00	1.00	1.00	3.00	1.00	1.00		2.00	3.00	3.00	3.00	3.00	2.00		3.00
			C409B.5	2.40	1.00	1.00			3.00	2.00		1.00	3.00	3.00	1.00	3.00	3.00	3.00	2.00		3.00
			Sum of weight		11.00	11.00	1.00	1.00	7.00	5.00	1.00	1.00	0.60	1.60	0.80	15.00	15.00	1.00		15.00	
Overall Direct PO Attainment		<b>2.10</b>	<b>2.10</b>	<b>2.40</b>	<b>2.40</b>	<b>1.30</b>	<b>2.40</b>	<b>1.00</b>	<b>0.90</b>	<b>2.60</b>	<b>1.50</b>	<b>1.90</b>	<b>2.80</b>	<b>2.80</b>	<b>1.90</b>		<b>2.80</b>				
C409C	(ELECTIVE-III) Robotics	SCM	C409.1	2.55	2.00	1.00	2.00	1.00		2.00	1.00	1.00				2.00	3.00		1.00	1.00	
			C409.2	2.45	2.00	1.00	2.00	1.00		2.00	1.00	1.00				2.00	3.00		1.00	2.00	
			C409.3	2.35	2.00	2.00	2.00	2.00	3.00							2.00	3.00		1.00	2.00	
			C409.4	2.35	3.00	2.00	2.00		3.00							2.00	3.00		1.00	2.00	
			C409.5	2.55	3.00	2.00	2.00		3.00							2.00	3.00		2.00	2.00	
			C409.6	2.35	1.00	2.00	2.00	2.00	3.00		1.00					2.00	3.00		2.00	2.00	
Sum of weight		13.00	1.00	12.00	6.00	12.00	4.00	4.00	2.00				12.00	18.00		8.00	11.00				
Overall Direct PO Attainment		<b>1.80</b>	<b>1.30</b>	<b>1.60</b>	<b>1.20</b>	<b>2.40</b>	<b>1.70</b>	<b>0.80</b>					<b>1.60</b>	<b>2.40</b>		<b>1.10</b>	<b>1.50</b>				
C410A	(ELECTIVE-IV) Advanced Manufacturing Process	AAB	C410A.1	2.60	3.00	2.00	2.00	2.00	3.00	2.00						1.00	3.00	2.00	1.00	3.00	
			C410A.2	2.60	3.00	3.00	3.00	1.00	3.00	1.00						2.00	3.00	3.00	1.00	3.00	
			C410A.3	2.60	3.00	3.00	3.00	2.00	2.00	2.00							2.00	3.00	2.00	2.00	
			C410A.4	2.50	3.00	3.00	3.00	2.00	3.00	3.00						1.00	3.00	3.00	1.00	3.00	
			C410A.5	2.50	3.00	2.00	3.00	2.00	3.00	2.00	2.00					1.00	3.00	3.00	1.00	3.00	
			C410A.6	2.50	3.00	2.00	3.00	2.00	3.00	1.00						1.00	3.00	3.00	1.00	3.00	
			Sum of weight		18.00	15.00	17.00	11.00	17.00	11.00						6.00	17.00	17.00	7.00	17.00	
Overall Direct PO Attainment		<b>2.60</b>	<b>2.10</b>	<b>2.40</b>	<b>1.60</b>	<b>2.40</b>	<b>1.60</b>						<b>1.00</b>	<b>2.40</b>	<b>2.40</b>	<b>1.00</b>	<b>2.40</b>				
C410B	(ELECTIVE-IV) Solar & Wind Energy	VBG	C410C.1	2.53	2.00	2.00	2.00	2.00	2.00						2.00	3.00		1.00	3.00		
			C410C.2	2.52	2.00	2.00	2.00	2.00	2.00						2.00	3.00		1.00	3.00		
			C410C.3	2.50	2.00	2.00	2.00	2.00	2.00						2.00	3.00		1.00	3.00		
			C410C.4	2.71	2.00	2.00	2.00	2.00	2.00						2.00	3.00		1.00	3.00		
			Sum of weight		8.00	8.00	8.00	8.00	8.00						8.00	12.00		4.00	12.00		
Overall Direct PO Attainment		<b>1.90</b>	<b>1.90</b>	<b>1.90</b>	<b>1.90</b>	<b>1.90</b>							<b>1.90</b>	<b>2.80</b>		<b>0.90</b>	<b>2.80</b>				
C410C	Product Design and Development	PVD	C410C.1	2.53	3.00	2.00	3.00	2.00	2.00	2.00	1.00			1.00	2.00	3.00	2.00	1.00		2.00	
			C410C.2	2.52	3.00	2.00	3.00	2.00	1.00	2.00				1.00	1.00	3.00	2.00	1.00		1.00	
			C410C.3	2.50	3.00	2.00	3.00	2.00	2.00	2.00	1.00				1.00	2.00	3.00	2.00	1.00		2.00
			C410C.4	2.71	3.00	2.00	3.00	2.00	1.00	2.00					1.00	2.00	3.00	2.00	2.00		2.00
			C410C.5	2.70	3.00	2.00	3.00	2.00	1.00	2.00					1.00	2.00	3.00	2.00	2.00		2.00
			C410C.6	2.71	3.00	2.00	3.00	2.00	2.00	1.00					1.00	2.00	3.00	3.00	2.00		2.00
			Sum of weight		18.00	12.00	18.00	12.00	9.00	11.00	2.00				6.00	11.00	18.00	13.00	9.00		11.00
Overall Direct PO Attainment		<b>2.80</b>	<b>1.80</b>	<b>2.80</b>	<b>1.80</b>	<b>1.40</b>	<b>1.70</b>	<b>0.90</b>				<b>0.90</b>	<b>1.70</b>	<b>2.80</b>	<b>2.00</b>	<b>1.40</b>		<b>1.70</b>			
C411	Project II	SCM	C411.1	2.54	2.00	3.00	2.00	2.00	1.00	1.00	2.00	1.00		3.00	2.00		2.00	1.00		1.00	
			C411.2	2.54	3.00	2.00	3.00	3.00	2.00	1.00				1.00	1.00	1.00	2.00	2.00		2.00	
			C411.3	2.55	3.00	2.00	1.00	1.00	1.00	2.00	2.00	1.00	3.00	1.00	1.00	1.00	1.00	3.00	1.00	1.00	
			C411.4	2.55	1.00	1.00	1.00	1.00	1.00	2.00	1.00	3.00	1.00	3.00	1.00	1.00			1.00	1.00	
			C411.5	2.54	1.00	2.00	2.00	2.00	1.00	1.00					1.00	1.00	1.00	1.00	2.00	2.00	
			C411.6	2.54											1.00	3.00	1.00	2.00			
			Sum of weight		1.00	1.00	9.00	9.00	6.00	7.00	5.00	7.00	7.00	1.00	5.00	6.00	6.00	7.00	4.00	7.00	
Overall Direct PO Attainment		<b>1.70</b>	<b>1.70</b>	<b>1.50</b>	<b>1.50</b>	<b>1.00</b>	<b>1.20</b>	<b>1.40</b>	<b>1.20</b>	<b>2.00</b>	<b>1.40</b>	<b>1.10</b>	<b>1.00</b>	<b>1.30</b>	<b>1.50</b>	<b>1.10</b>	<b>1.20</b>				

**DEPARTMENT OF MECHANICAL ENGINEERING**

**Direct PO & PSO Attainment**

CLASS:TE SEM:-2

YEAR: 2020-21

Course Code	Course Name	FACULTY	CO\PO	CO Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO 2	PSO 3	PSO4			
C307	Numerical Methods and Optimization	KMJ	C307.1	2.45	3.00	1.00	1.00	1.00	2.00								3.00	2.00	2.00	1.00			
			C307.2	2.40	2.00	2.00	2.00	1.00	1.00									3.00	3.00	2.00	2.00		
			C307.3	2.40	1.00		1.00		2.00	1.00									2.00	2.00	2.00	1.00	
			C307.4	2.45	1.00	1.00	1.00	1.00	2.00			1.00				1.00			2.00	2.00	3.00	1.00	
			C307.5	2.45	2.00	2.00	1.00	1.00	3.00						1.00				2.00	2.00	1.00	1.00	
			Sum of weight		9.00	6.00	6.00	4.00	1.00	1.00		1.00		1.00	1.00				12.00	11.00	1.00	6.00	
<b>Overall Direct PO Attainment</b>		<b>1.50</b>	<b>1.20</b>	<b>0.90</b>	<b>0.80</b>	<b>1.60</b>	<b>0.60</b>		<b>0.80</b>		<b>0.80</b>	<b>0.80</b>				<b>1.90</b>	<b>1.70</b>	<b>1.50</b>	<b>0.90</b>				
C308	DME II	HPB	C308.1	2.46	3.00	1.00	3.00	1.00	2.00	1.00		1.00	2.00	1.00		1.00	2.00	1.00			2.00		
			C308.2	2.33	3.00	1.00	3.00	1.00	2.00	1.00		1.00	2.00	1.00		1.00	2.00	1.00			2.00		
			C308.3	2.45	2.00	2.00		1.00		1.00			1.00				1.00	2.00				2.00	
			C308.4	2.33	3.00	1.00	3.00	1.00	3.00	1.00			1.00	2.00	1.00		1.00	2.00				2.00	
			C308.5	2.45	2.00		2.00						1.00				1.00	2.00				2.00	
			C308.6	2.44	2.00		2.00									2.00		1.00	1.00				2.00
Sum of weight		2.20	1.10	2.30	0.90	1.90	0.90		0.90	1.70	1.30			0.90	1.70	0.70				1.80			
<b>Overall Direct PO Attainment</b>		<b>2.02</b>	<b>1.01</b>	<b>2.07</b>	<b>0.79</b>	<b>1.75</b>	<b>0.79</b>		<b>0.81</b>	1.52	<b>1.16</b>			<b>0.82</b>	<b>1.49</b>	<b>0.62</b>				<b>1.64</b>			
C309	Refrigeration and Air Conditioning	MSY	C309.1	2.70	3.00	2.00	2.00	1.00	2.00	1.00								3.00	2.00	2.00	1.00		
			C309.2	2.93	2.00	2.00	2.00	1.00	1.00										1.00	1.00	2.00	2.00	
			C309.3	2.93	1.00		1.00				1.00	1.00								1.00	2.00	2.00	3.00
			C309.4	3.00	2.00	2.00	1.00	1.00												2.00	1.00	2.00	2.00
			C309.5	2.87	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00							3.00	2.00	3.00	2.00
			Sum of weight		1.00	8.00	7.00	4.00	4.00	3.00	2.00	1.00								1.00	8.00	11.00	1.00
<b>Overall Direct PO Attainment</b>		<b>1.91</b>	<b>1.92</b>	<b>1.34</b>	<b>0.96</b>	<b>1.24</b>	<b>0.94</b>	<b>0.97</b>	<b>0.96</b>								<b>1.90</b>	<b>1.53</b>	<b>2.12</b>	<b>1.94</b>			
C310	Mechatronics	DDR	C310.1	2.52	3.00	1.00	2.00	2.00	1.00	2.00			2.00					3.00	2.00	2.00	1.00		
			C310.2	2.47	2.00	2.00	2.00	2.00	2.00	2.00	2.00			2.00					1.00	2.00	2.00	2.00	
			C310.3	2.47	3.00	2.00	1.00	1.00	2.00	1.00	2.00			2.00						2.00	1.00	2.00	1.00
			C310.4	2.50	2.00	1.00	3.00	2.00	1.00	1.00				1.00						3.00	3.00	2.00	2.00
			C310.5	2.45	2.00	1.00	3.00	2.00	1.00	2.00				1.00						2.00	2.00	2.00	1.00
			C310.6	2.46	2.00	2.00	3.00	2.00	2.00	1.00				1.00						2.00	2.00	3.00	1.00
Sum of weight		14.00	9.00	14.00	11.00	9.00	9.00	4.00			9.00						13.00	12.00	13.00	8.00			

**DEPARTMENT OF MECHANICAL ENGINEERING**

**Direct PO & PSO Attainment**

**CLASS:TE SEM:-2**

**YEAR: 2020-21**

Course Code	Course Name	FACULTY	CO\PO	CO Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO 2	PSO 3	PSO4		
			<b>Overall Direct PO Attainment</b>		<b>2.10</b>	<b>2.10</b>	<b>1.80</b>	<b>1.90</b>	<b>2.10</b>	<b>2.20</b>	<b>2.50</b>		<b>2.20</b>				<b>1.80</b>	<b>1.70</b>	<b>2.00</b>	<b>1.80</b>		
<b>C311</b>	<b>Manufacturing Processes-II</b>	<b>SCB</b>	C311.1	3.00	3.00	1.00	2.00									1.00	3.00	2.00	2.00	1.00		
			C311.2	3.00	3.00	1.00	3.00											3.00	3.00	2.00	2.00	
			C311.3	3.00	2.00	1.00	3.00		3.00										2.00	2.00	2.00	1.00
			C311.4	2.40	2.00		3.00											1.00	2.00	2.00	3.00	1.00
			Sum of weight		1.00	3.00	11.00		3.00									2.00	1.00	9.00	9.00	5.00
			<b>Overall Direct PO Attainment</b>		<b>2.90</b>	<b>3.00</b>	<b>2.80</b>		<b>3.00</b>									<b>2.70</b>	<b>2.90</b>	<b>2.90</b>	<b>2.80</b>	<b>2.90</b>
<b>C312</b>	<b>Machine Shop II</b>	<b>SCB</b>	C312.1	3.00	2.00		1.00		2.00	1.00		1.00	2.00	1.00	1.00	2.00	2.00	2.00		2.00		
			Sum of weight		2.00		1.00		2.00	1.00		1.00	2.00	1.00	1.00	2.00	2.00	2.00		2.00		
			<b>Overall Direct PO Attainment</b>		<b>2.00</b>		<b>1.00</b>		<b>2.00</b>	<b>1.00</b>		<b>1.00</b>	<b>2.00</b>	<b>1.00</b>	<b>1.00</b>	<b>2.00</b>	<b>2.00</b>	<b>2.00</b>		<b>2.00</b>		
<b>C313</b>	<b>Seminar</b>	<b>SCM</b>	C313.1	2.43	3.00	2.00		3.00	2.00	1.00	1.00	2.00		2.00		3.00	3.00	3.00	3.00	1.00		
			C313.2	2.44	2.00	2.00		3.00	2.00	2.00	1.00	3.00		3.00		3.00	3.00	3.00	3.00	1.00		
			C313.3	2.43	2.00	2.00		2.00		1.00	1.00	2.00				2.00	2.00	2.00	3.00	2.00		
			C313.4	2.43	2.00			3.00			3.00			3.00		3.00	1.00	1.00	3.00			
			C313.5	2.43	1.00			3.00			2.00			3.00		2.00		3.00	3.00			
			Sum of weight		1.00	6.00		8.00	1.00	4.00	3.00	12.00		11.00		13.00	9.00	12.00	15.00	4.00		
			<b>Overall Direct PO Attainment</b>		<b>1.60</b>	<b>1.60</b>		<b>2.20</b>	<b>2.00</b>	<b>1.10</b>	<b>0.80</b>	<b>1.90</b>		<b>2.20</b>		<b>2.10</b>	<b>1.80</b>	<b>1.90</b>	<b>2.40</b>	<b>1.10</b>		
<b>C314</b>	<b>Audit Course</b>	<b>AAB</b>	C314.1	2.93			2.00		1.00		3.00	3.00				1.00	1.00	1.00	1.00			
			C314.2	2.92	3.00	3.00	3.00	3.00	2.00	3.00	3.00	1.00	3.00	3.00	2.00	3.00	1.00	1.00	1.00	1.00		
			C314.3	2.94	3.00	3.00	3.00	3.00	3.00	3.00	2.00	2.00	3.00	3.00	3.00	3.00	1.00	1.00	1.00	1.00		
			Sum of weight		6.00	6.00	8.00	6.00	5.00	7.00	5.00	6.00	9.00	6.00	5.00	6.00	3.00	3.00	3.00	3.00		
			<b>Overall Direct PO Attainment</b>		<b>2.90</b>	<b>2.90</b>	<b>2.60</b>	<b>2.90</b>	<b>2.40</b>	<b>2.30</b>	<b>2.40</b>	<b>2.00</b>	<b>2.90</b>	<b>2.90</b>	<b>2.40</b>	<b>2.90</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>		