



Nagar Yuwak Shikshan Sanstha's

Yeshwantrao Chavan College of Engineering

(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)

Department of Mechanical Engineering.(Session 2019-20).

Summary																												
	PO1		PO2		PO3		PO4		PO5		PO6		PO7		PO8		PO9		PO10		PO11		PO12		PSO1		PSO2	
2019-20	2.41	3	2.32	3	1.95	3	1.89	3	2.13	3	1.77	3	1.57	3	1.6	3	1.87	3	1.67	3	1.89	3	1.82	3	2.12	3	2.07	3
	80.33%		77.33%		65.00%		63.00%		71.00%		59.00%		52.33%		53.33%		62.33%		55.67%		63.00%		60.67%		70.67%		69.00%	

Attainment Details																	
SEM	Course code and Name	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2		
3	ME-1201 Material science and Metallurgy	CO 1	1.6		2.4		1.6	2.4	0.8			0.8		0.8	1.2	0.6	
		CO 2	1.2		1.8		1.2	1.8		0.6		0.6		0.6	1.2	0.6	
		CO 3	1.2		1.8		1.2	1.8		0.6	0.6	0.6		0.6	1.2	0.6	
		CO 4	0.8		1.2		0.8	1.2	0.4	0.4	0.8	0.6		0.4	0.8	0.4	
3	ME-2202 LAB Material Science and	CO 1	3	3	1	3	3	1	1		1	1		1	1	3	
		CO 2	3	3	1	3	3	1	1		1	1		1	1	3	
		CO 3	3	3	1	3	3	1	1		1	1		1	1	3	
3	ME-1203 Mechanis of Material	CO 1	1.8	1.2	1.8	1.2		0.6	0.6			1.8		1.8	1.8	1.8	
		CO 2	1.8	1.2	1.8				0.6			1.8		1.8	1.8	1.8	
		CO 3	2.1		2.1		1.4			0.7	1.4	2.1		2.1	1.4	2.1	
		CO 4	1.2		1.2	1.4	1.4	0.4				1.2		1.2	1.4	1.2	
3	ME-2206 LAB	CO 1	3	3		3	1	2	2	3	3	3		3	2	3	
		CO 2	3	3		3	1	2	2	3	3	3		3	2	3	
3	ME-1205 Fluid Mechanics	CO 1	1.2	1.2	1	0.8					1.2	1.2		1.2	1.2	1.2	
		CO 2	1.5	1.5	1.3	1.1					1.5	1.5		1.5	1.5	1.5	
		CO 3	1.2	1.2	1	1	1			1		1.2	1.2	1.2	1.2	1.2	
		CO 4	1.2	1.2	1	1	1			1		1.2	1.2	1.2	1.2	1.2	
3	ME-2209 LAB Fluid Mechanics Lab	CO 1	3	2	3		1	2			3	3	2	1	2	3	
		CO 2	3	2	3		1			3	3	3	2	1	2	3	
		CO 3	3	2	3		1			3	2	3	2	1	2	3	
		CO 4	3		3	3	1			2	2	2	2	1	2	3	
3	ME-2207 Kinematics of Machinery	CO 1	1.8		0.6						1.2			1.2	1.2	1.2	
		CO 2	1.8		0.6						1.2			1.2	1.2	1.2	
		CO 3	1.8		0.6						1.2			1.2	1.2	1.2	
		CO 4	1.8		0.6						1.2			1.2	1.2	1.2	
3	ME-2203 Manufacturin g Process-1	CO 1	1		0.7		0.7	0.7			0.7	1	0.7	0.7	0.7	0.7	
		CO 2	1.3		0.9		0.9				0.9	1.3	0.9	0.9	0.9	0.9	
		CO 3	1.6		1.1		1.1				1.1	1.6	1.1	1.1	1.1	1.1	
		CO 4	1		0.7		0.7	0.7			0.7	1	0.7	0.7	0.7	0.7	
3	ME - 2204 LAB Manufacturin g Processes-1	CO 1	3		2		2				2	3	2	2	2	2	
		CO 2	3		2		2				2	3	2	2	2	2	
		CO 3	3		2		2				2	3	2	2	2	2	
		CO 4	3		2		2				2	3	2	2	2	2	
5 sem	Applied Thermodyna mic ME1307	CO-1	2.7		0.9	0.9		1.8				0.9		1.8	2.7	1.8	
		CO-2	2.7	1.8	1.8		1.8	2.7	0.9		1.8	0.9	0.9	0.9	2.7	1.8	
		CO-3	2.7		1.8			1.8	0.9		1.8	0.9	0.9	0.9	2.7	1.8	
		CO-4	2.7			0.9		1.8	0.9		1.8	0.9	0.9	0.9	2.7	1.8	
5 sem	HEAT TRANSFER ME1303	CO-1	1.2	1.2	1.2	0.8	1.2	0.4	0.8	0.4	0.4	0.4	0.8	0.8	1.2	1.2	
		CO-2	1.2	1.2	1.2	0.8	1.2	0.4	0.8	0.4	0.4	0.4	0.8	0.8	1.2	1.2	
		CO-3	1.5	1.5	1.5	1	1.5	0.5	1	0.5	0.5	0.5	1	1	1.5	1.5	
		CO-4	1.5	1.5	1.5	1	1.5	0.5	1	0.5	0.5	0.5	1	1	1.5	1.5	
5 sem	ME-1304 LAB Heat Transfer	CO-1	3	3	3	2	3	1	2	1	1	1	2	2	3	3	
		CO-2	3	3	3	2	3	1	2	1	1	1	2	2	3	3	
		CO-3	3	3	3	2	3	1	2	1	1	1	2	2	3	3	
		CO-4	3	3	3	2	3	1	2	1	1	1	2	2	3	3	
5 sem	MQC ME130	CO-1	1.8	1.8	1.8	1.2			0.6					1.2	1.2	1.2	1.2
		CO-2	1.5	1.5	0		1.5			0.5			1.5		1	1	1
		CO-3	1.5		1.5	1				0.5					1	1	1
		CO-4	0.7		0					0.7	1.4	1.4			1.4	1.4	1.4
5 sem	ME-1302 LAB Metrology and Quality Control	CO-1	3	3			3			1	1	3		1	2	3	2
		CO-2	3	3	3	2				1	1	0		1	2	3	2
		CO-3	3	2						1	1	0			2	2	2
		CO-4	3	3	2					1	1				2	2	2
5 sem	DOM 1323	CO-1	2.7		1.8	1.8	2.7		0.9		1.8	1.8	2.7		2.7	2.7	
		CO-2	2.1		1.4	1.4	2.1		0.7		1.4	1.4	2.1		2.1	2.1	
		CO-3	1.2		0.8	0.8	1.2		0.4		0.8	0.8	1.2		1.2	1.2	
		CO-4	1.8		1.2	1.2	1.8		0.6		1.2	1.2	1.8		1.8	1.8	
5 sem	ME-1324 LAB	CO 1	3	3	2	2	3		1		2	2	3		3	3	
		CO 2	3	3	2	2	3		1		2	2	3		3	3	

	Dynamic of	CO 3	3	3	2	2	3		1		2	2	3		3	3
7	Finite Element Methods ME-1407	CO 1	3				3	2.4	1.8	1.8	2.4	1.8	1.8		3	1.8
		CO 2	3		3		3	3	1.8	1.8			1.8	1.8	3	3
		CO 3	3				3	2.4	1.8	1.8	2.4	1.8	2.4	1.8	3	3
		CO 4	3		2.4		3	3	1.8	1.8	2.4	1.8	1.8	1.8	3	1.8
VII	ME-1407 LAB Fin	CO 1	3	3			3	2.4	1.8	1.8	2.4	1.8	1.8	1.8	3	1.8
VII	ME-1407 LAB Fin	CO 2	3	3	3		3	3	1.8	1.8	2.4	1.8	1.8	1.8	3	3
VII	ME-1407 LAB Fin	CO 3	3	3			3	2.4	1.8	1.8	2.4	1.8	1.8	1.8	3	3
7	Computer Integrated Manufacturing ME-1418	CO 1	1.5	1.5	1		1	1.5		1	1	1		1.5	1	
		CO 2	1.4	2.1			1.4	2.1			1.4			1.4	2.1	
		CO 3	2.4	2.4	1.6		2.4				1.6		1.6	2.4	1.6	
		CO 4	0.9	0.6	0.9			0.6		0.6		0.6	0.6	0.9	0.9	
VII	ME-1418 LAB (PE)	CO 1	3	3										2	3	
	ME-1418 LAB (PE)	CO 2	3	3										2	3	
	ME-1418 LAB (PE)	CO 3	3	3										2	3	
		CO 1	2.7		0.9	0.9		1.8				0.9		1.8	2.7	1.8
		CO 2	2.7	1.8	1.8		1.8	2.7	0.9		1.8	0.9	0.9	0.9	2.7	1.8
		CO 3	2.7		1.8			1.8	0.9		1.8	0.9	0.9	0.9	2.7	1.8
		CO 4	2.7			0.9		1.8	0.9		1.8	0.9	0.9	0.9	2.7	1.8
VII	ME-1420 LAB (PE)	CO 1	3	3			3							3		
	ME-1420 LAB (PE)	CO 2	3	3			3							3		
	ME-1420 LAB (PE)	CO 3	3	3			3							3		
7	Refrigeration & cryogenics ME-1422	CO 1	1.5	1.5	1.5	1.5	1.5	0.5	1	1	1	0.5	1	1.5	1.5	1.5
		CO 2	2.1	2.1	2.1	2.1	2.1	0.7	1.4	1.4	1.4	0.7	1.4	2.1	2.1	2.1
		CO 3	3	3	3	3	3	1	2	2	2	1	2	3	3	3
		CO 4	3	3	3	3	3	1	2	2	2	1	2	3	3	3
VII	ME-1470 LAB Ref	CO 1	2.4	2.4	2.4	1.6	2.4	0.8	0.8	0.8	2.4	1.6	1.6	0.8	2.4	2.4
	ME-1470 LAB Ref	CO 2	2.4	0.8	2.4	0.8	0.8	0.8	0.8	2.4	1.6	1.6	0.8	2.4	0.8	0.8
	ME-1470 LAB Ref	CO 3	2.4	0.8	2.4	0.8	0.8	0.8	0.8	2.4	1.6	1.6	0.8	2.4	0.8	0.8
VII	ME-1470 LAB Ref	CO 4	2.4	0.8	2.4	0.8	0.8	0.8	0.8	2.4	1.6	1.6	0.8	2.4	0.8	0.8
		CO 1	2.4	1.6	0.8		1.6		0.8		2.4			1.6	0.8	
		CO 2	2.4	1.6	1.6		1.6		0.8		2.4			1.6	0.8	
		CO 3	1.4	0.9	0.5		1.4		0.5		1.4			0.5	0.5	
		CO 4	2	1.3	1.3		1.3		0.7		2			0.7	0.7	
VII	ME-416 Project Ph	IRUBRICS	3					3					3		3	
	ME-416 Project Ph	IRUBRICS		3	3		3	3		3			3	3	3	
	ME-416 Project Ph	IRUBRICS			3	3		3		3		3	3	3		
VII	ME-416 Project Ph	IRUBRICS						3	3	3	3			3		
	Average		2.31	2.19	1.72	1.67	1.95	1.51	1.3	1.5	1.64	1.38	1.66	1.57	1.95	1.89

INDIRECT attainment

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2
Student Survey	2.85	2.8	2.85	2.75	2.85	2.8	2.85	2.8	2.8	2.8	2.85	2.85	2.85	2.8
Alumni Survey	2.8	2.85	2.85	2.85	2.85	2.75	2.85	2.8	2.7	2.8	2.75	2.85	2.75	2.8
Parent Survey	2.75	2.8	2.85	2.8	2.85	2.85	2.85	2.8	2.75	2.8	2.8	2.85	2.8	2.8
Average	2.8	2.82	2.85	2.8	2.85	2.8	2.85	2.8	2.75	2.8	2.8	2.85	2.8	2.8
Total attainment														
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2
DIRECT ATTAINMENT	2.31	2.19	1.72	1.67	1.95	1.51	1.25	1.3	1.64	1.38	1.66	1.57	1.95	1.89
INDIRECT ATTAINMENT	2.8	2.82	2.85	2.8	2.85	2.8	2.85	2.8	2.75	2.8	2.8	2.85	2.8	2.8
TOTAL ATTAINMENT	2.41	2.32	1.95	1.89	2.13	1.77	1.57	1.6	1.87	1.67	1.89	1.82	2.12	2.07



