



PES INSTITUTE OF TECHNOLOGY AND MANAGEMENT, SHIVAMOGGA
DEPARTMENT OF MECHANICAL ENGINEERING

BATCH 2016 - 20 Achievable and Achieved Attainmentment Data

Year	Subject	Code	Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PS01	PS02		
II Year	Mechanics of Materials	15ME34	C204	1.52	1.74	1.155	1.795	1.38	1.47	1.04	0.70					2.08	2.08	Achieved	
	Metal Casting and Welding	15ME35A	C205	2	2	2			2			2				2	2	Achieved	
				1.46	1.41	1.48	0	0	1.45	0	0	1.47	0	0	0	1.45	1.36	Achieved	
	Machine Tools and Operations	15ME35B	C206	2	2							2				2		Achieved	
				1.56	1.59							1.58				1.56		Achieved	
	Computer Aided Machine Drawing	15ME36 A	C207	2.5	2.25	2.5		2								2	2.5	2.3	Achieved
				1.82	1.64	1.82		1.45								1.46	1.81	1.70	Achieved
	Mechanical Measurements and Metrology	15ME36B	C208	2.25	2.5				2	2	1.75			1.67		1.75	2	2	Achieved
				1.6	1.66				1.41	1.48	1.24		1.15		1.23	1.40	1.36	Achieved	
	Materials Testing Lab	15MEL37A	C209	2	3	2	1	1				2	2				2	3	Achieved
				1.54	2.31	1.54	0.77	0.77			1.54	1.54				1.54	2.30	Achieved	
	Mechanical Measurements and Metrology Lab	15MEL37B	C210	2						2			2						Achieved
				1.56						1.56			1.56				1.554		Achieved
	Foundry and Forging Lab	15MEL38A	C211	2	2.5	2.5	2							3			3		Achieved
				1.71	2.12	2.12	1.7						2.51			2.58		Achieved	
	Machine Shop	15MEL38B	C212	2	2	2	2						2			2	2	2	Achieved
1.9				1.9	1.9	1.9					1.9			1.9	1.9	1.9	Achieved		
Engineering Mathematics-IV	15MAT41	C213	1.6	1.8	1.4	1.6									1	2	2	Achieved	
			1.34	1.46	1.1	1.28								0.81	1.69	1.76	Achieved		
Kinematics of Machinery	15ME42	C214	2	2	2.25							2				2	2	Achieved	
			1.45	1.45	1.61						1.45				1.44	1.48	Achieved		
Applied Thermodynamics	15ME43	C215	2	2						1						2	1	Achieved	
			1.17	1.17						0.58						1.17	0.58	Achieved	
Fluid mechanics	15ME44	C216	2	2				1							1.4	2	2	Achieved	
			1.435	1.435				0.725							1.01	1.43	1.43	Achieved	
Management and Engineering Economics	15ME51	C301	2.67	2		2					2			2	2.4	2.33	2.34	Achieved	
			2.1	1.57		1.59					1.6			1.6	1.9	1.84	1.87	Achieved	
Dynamics of Machinery	15ME52	C302	2.67	2.5		2			2							2.5	2.67	Achieved	
			2	1.87		1.49			1.535							1.87	1.96	Achieved	
Turbo Machines	15ME53	C303	2.6	2		2										2	2	Achieved	
			2.01	1.54		1.55										1.09	1.53	Achieved	
Design of Machine Elements - I	15ME54	C304	2.2	2.6	2.6									1.33		2.33	2.5	Achieved	
			1.48	1.79	1.78									1.02		1.65	1.42	Achieved	
Refrigeration and Air-conditioning	15ME551	C305	2	1.8	1.5				1							2	2	Achieved	
			1.42	1.23	1.09				0.74							1.13	1.37	Achieved	
Non Traditional Machining	15ME554	C306	2	2				2	2						2	2		Achieved	
			1.78	1.79				1.79	1.79						1.75	1.77		Achieved	
Energy and Environment	15ME562	C307	2						2	2.5	2.5				3		2	Achieved	
			1.79						1.79	2.24	2.24				2.72		1.78	Achieved	

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III Year	Automation and Robotics	15ME563	C308	1.8				2			2				2	2	1.8	Achivable	
				1.57				1.73			1.84			1.73	1.75	1.57	Achieved		
	Fluid Mechanics & Machinery Lab	15MEL57	C309	2	2	1	1					1				2	1	Achivable	
				1.67	1.67	0.83	0.83					0.83			1.66	0.83	Achieved		
	Energy Lab	15MEL58	C310	2	2	1		1	2	1		1				2	1	Achivable	
				1.67	1.67	0.84		0.84	1.68	0.84		0.84			1.66	0.83	Achieved		
	Finite Element Analysis	15ME61	C311	3	2	2	2.5	2								2	2.5	2	Achivable
				2.06	1.38	1.38	1.72	1.36						1.36	1.71	1.35	Achieved		
	Computer integrated Manufacturing	15ME62	C312	2.4	2	2.33		2								2	2	2	Achivable
				2.14	1.71	1.99		1.79						1.79	1.75	1.90	Achieved		
	Heat Transfer	15ME63	C313	2	2.6	1.5	1	1								2	2	2	Achivable
				1.44	1.90	1.20	0.78	0.81							1.41	1.43	Achieved		
	Design of Machine Elements -II	15ME64	C314	2	2.6	2.6									2.25		2.3	2.5	Achivable
				1.14	1.46	1.47							1.32		1.36	1.41	Achieved		
Mechanics of Composite Materials	15ME652	C315	2	2.5	2.5	2.34	2.25					2.2			2	2.2	2	Achivable	
			1.54	1.71	1.75	1.73	1.74				1.71			1.7	1.68	1.38	Achieved		
Automobile Engineering	15ME655	C316	3	2					3	3	3				2	2		Achivable	
			2.37	1.65				2.22	2.22	2.22				1.49	1.52		Achieved		
Total Quality Management	15ME664	C318	2	2	2		2.5				2				2	2	2	Achivable	
			1.81	1.81	1.8		2.26			1.86		1.93		1.84	1.77	1.82	Achieved		
Heat Transfer Lab	15MEL67	C319	2	2								2				2	2	Achivable	
			1.92	1.92							1.92			1.92	1.92	Achieved			
Modeling and Analysis Lab(FEA)	15MEL68	C320	3	2	3		1	1	2			1			2	3	2	Achivable	
			2.42	1.61	2.42		0.81	0.81	1.61		0.81			1.61	2.41	1.61	Achieved		
IV Year	Energy Engineering	15ME71	C401	2	2				2	2	2				2	2	2	Achivable	
				1.77	1.78				1.76	1.78	1.78			1.77	1.77	1.77	Achieved		
	Fluid Power Systems	15ME72	C402	2	2			2								2	2	Achivable	
				1.2	1.19			1.22							1.19	1.22	Achieved		
	Control Engineering	15ME73	C403	2	2	2		2								1.5	1.5	Achivable	
				1.52	1.56	1.4		1.4							1.17	1.11	Achieved		
	Design for Manufacturing	15ME744	C404	2.2	2.4	2	1		2	2	1.6	1.34	1.5	1.6	1.67	2.4	1.8	Achivable	
				1.88	2.05	1.71	0.84		1.71	1.72	1.36	1.14	1.28	1.37	1.42	2.04	1.53	Achieved	
	Tribology	15ME742	C405	2.5	2.25	2.5					3					2.5	2.67	Achivable	
				2.32	2.09	2.33				2.78					2.31	2.47	Achieved		
	Mechatronics	15ME753	C406	2.4	2	2.5					2	1		1	1		3	2	Achivable
				2.14	1.78	2.24				1.79	0.9		0.9	0.9		2.68	1.78	Achieved	
	Design Lab	15MEL76	C407	3	2	2.67	2	2	3	3					3	2.5	3	Achivable	
				2.83	1.89	2.53	1.9	1.89	2.84	2.84					2.84	2.36	2.84	Achieved	
CIM Lab	15ME177	C408	2.5	2	2		2							2	2	2	Achivable		



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IV Year	Civl Lab	15MILL77	C408	2.25	1.8	1.8		1.8							1.8	1.79	1.79	Achieved		
	Project Phase – I	15MEP78	C409	2	2.3	2		3	2	2	2	3		2	2	2	2	2	Achievable	
				1.2	1.41	1.2		1.8	1.2	1.2	1.2	1.8		1.2	1.2	1.2	1.2	1.2	1.2	Achieved
	Operations Research	15ME81	C410	2.8	2.6	2			2					2			2	2	2	Achievable
				2.06	1.86	1.37			1.39						1.59			1.43	1.38	Achieved
	Additive Manufacturing	15ME82	C411	2.5	2.5	1.7	1.75								2			2	1.5	Achievable
				1.95	1.95	1.22	1.34									1.55		1.55536	1.065	Achieved
	Experimental Stress Analysis	15ME832	C412	2	2	3	2						2					2.3	2	Achievable
				1.71	1.71	2.56	1.71							1.71					2.04	1.66
	Project Phase – II	15ME85	C413	2	2	3	2	3	2	2	2	3	2	3	2	2	2	2	2	Achievable
				1.96	1.96	2.93	1.97	2.94	1.96	1.96	1.95	2.93	1.96	2.93	1.96	1.95	1.95	1.95	1.95	1.95
	Seminar	15MES86	C414	3	2.5		2		2.5	3			2.5					3	3	Achievable
				2.93	2.44		1.95		2.44	2.93		2.44							2.92	2.92
	Internship / Professional Practice	15ME84	C415	2.5	3		2.5			2.5			3				2.5	2.5	3	Achievable
				2.43	2.92		2.43			2.43		2.92						2.43	2.43	2.91
		Achievable			2.20	2.12	2.01	1.78	1.90	1.97	2.09	1.82	2.14	1.86	1.91	1.87	2.16	2.04		
	Achieved			1.75	1.66	1.59	1.39	1.47	1.61	1.68	1.39	1.65	1.35	1.35	1.49	1.71	1.62			
	Direct			1.40	1.33	1.27	1.11	1.18	1.29	1.35	1.11	1.32	1.08	1.08	1.19	1.37	1.29			
	Indirect			0.35	0.33	0.32	0.28	0.29	0.32	0.34	0.28	0.33	0.27	0.27	0.30	0.34	0.32			

Percentage	79.45	78.51	78.73	78.20	77.66	81.73	80.57	76.50	77.17	72.28	70.62	79.38	79.06	79.14
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NUMBER OF PO MAPPED	65	61	31	25	22	15	15	15	15	6	9	31	62	56
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0.8 of PES	1.40	1.33	1.27	1.11	1.18	1.29	1.35	1.11	1.32	1.08	1.08	1.19	1.37	1.29
PES	2.07	2.06	1.91	1.86	1.9	1.95	1.82	1.9	1.94	2.02	1.94	1.9	2.08	1.95

0.2 of PES	0.414	0.412	0.382	0.372	0.38	0.39	0.364	0.38	0.388	0.404	0.388	0.38	0.416	0.39
Total	1.81	1.74	1.65	1.49	1.56	1.68	1.71	1.49	1.71	1.48	1.47	1.57	1.78	1.68

Percentage	82.38	82.25	81.96	83.46	82.15	85.22	81.88	82.11	79.90	79.52	76.82	83.82	82.51	82.42
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