

Chaitanya Bharathi Institute of Technology

Department of Mechanical Engineering
PO and PSO Attainment of 2020-24 Batch

S.No	Code	Subject Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	
1	20MEC04	Material Science And Metallurgy	2.4	2.3	2.1	1.9	2	1.6	1.75	1.8		1.5	1.5	1.8	2.1	2.3	2.2	
2	20MEC05	Strength of Materials	3	3	1	0.87				1				3	2	1	1	
3	20MEC06	Manufacturing Process	0.97	0.7	0.66	0.76	0.66	0.44	0.44		0.44	0.44	0.44	0.44	1.32			
4	20MTC08	Partial Differential equations and statistics	1.80	1.50				1.10			0.90	0.51		0.60	1.20			
5	20CSC06	Basics of Data Structures	2.10	1.96	1.02													
6	20EGM03	Universal Human Values - II Understanding Harmony			1.20			0.98	1.10	0.87	0.67	0.75	0.69	0.95			0.75	
7	20CEM01	Environmental Science	1.67					1.10	1.40	1.70				1.30			0.98	
8	20MEC07	Material Science & Metallurgy Lab	1.17	1.17	1.17	1.27	1.17	0.71	0.71	0.73	0.67	0.71		1.6	1.28	1.44	1.44	
9	20MEC08	Strength of Materials Lab	3	3	1.8	1.1						2		3	2	1	1	
10	20MEC09	Manufacturing Process Lab	3	3	1.8	1.3						2		3	2	1	1	
11	20CSC07	Basics of Data Structures Lab	1.87	2.50	1.20	2.10												
12	20MEC10	Kinematics of Machines	1.57	1.73	1.15	0.86	0.99		0.58					0.58	1.15	0.29	0.45	
13	20MEC11	Thermodynamics	2	1.8				0.8	0.4				1.2	2.4				
14	20MEC12	Fluid Principles and Hydraulic Machines	1.99					3	3	1.99	3	2.99	3	2.99	1.99		3	
15	20MEC13	Metal cutting and Machine tool Engineering	1.88	1.79	1.52	1.65	1.42	0.71	1.08	0.71	1.11	0.71	0.71	1.42	1.57	2.14	1.02	
16	20EGM01	Indian constitution and fundamental Principles			2.10			1.10	0.95	0.85	0.65						1.80	
17	20EGM02	Indian Traditional Knowledge	1.30	0.45	0.66	0.81	0.44	0.45	0.86	0.98	0.97	0.44	0.85	0.99	0.77	0.65	0.98	
18	20MEE03	Entrepreneurship (PE-1)	1.80			1.50			1.90	2.10	2.20	1.80	1.50	1.20	2.10			
19	20MEE04	Mechatronics and Automation (PE-1)	2.30	2.20	2.00	1.60	1.80	1.50	1.98	2.10	1.67	1.50	1.9	2.10	2.20	2.00	2.30	
20	20MEC14	Fluid Principles and Hydraulic Machines Lab	1.83					0.55	0.55	1.83	2.74	2.74	0.55	2.74	0.37		0.55	
21	20MEC15	Metal cutting and Machine tools Lab	2.8	2.2	2	1.6	2	1	1	1	1.8	1	1	2	2.6	3	1	
22	20MEC16	Dynamics of Machines	2.11	2.11	1.76	2.11					1.41		1.41	2.11	2.11	0.7	1.41	
23	20MEC17	Applied Thermodynamics and Heat Transfer	1.49	0.27	0.14			0.61	0.74						0.96		1.51	
24	20MEC18	Design of Machine Elements	1.36	1.45	1.25	0.87	1.24	0.83	0.53				0.27	1.14	0.97	0.48	0.48	
25	20MEC19	CAD/CAM	2.28	1.43	0.73	0.86	1.68	0.59	0.86				0.86	0.86	1.98	2.29	1.17	
26	20MEE06	Robotic Engineering	1.20	1.30	0.87	0.76	0.55		1.10					0.98			1.10	
27	20MEE08	Product Design and Process Planning	1.90	1.50	1.10	1.60	1.80	0.91					1.20	1.30	1.70	1.80	1.90	
28	20IT001	Object Oriented Programming Using Java	1.23	1.2	0.95	0.98								0.85	0.99	0.89	0.87	
29	20CSC003	Fundamentals of DBMS	1.10	0.98		1.10		1.88	1.34	1.54			1.10	1.20	1.40	1.80		
30	20EEO03	Energy Auditing	2.10	2.30	2.14	2.11	2.00	1.80	2.12			1.10	1.64	1.68	1.76	1.31	1.45	
31	20MTO04B	Numerical Methods	2.76	2.61	2.38	2.12	2.80					2.10	2.43	2.15	1.96	2.13	2.14	
32	20MEC20	Dynamics and Vibrations lab	2.8	2	1.2	0.4	0.2											
33	20MEC21	Applied Thermodynamics and Heat Transfer Lab	1.6	1.6	0.32			0.96	0.64	0.96	2.4	2.4		2.4	1.07		1.6	
34	20MEC22	CAD/CAM Lab	2.7	1.8	1.8	1.8	2.7	1.8	0.9	0.9	2.7	2.7	0.9	2.52	1.8	0.9	1.98	
35	20MEC23	Metrology and Instrumentation	1.48	1.07	0.77	0.87	0.4	0.5	0.13					0.74	1.98		0.74	
36	20MEC24	Machine Design	2.8	2.85	2.4			1.98		1.25				2.85	2.15	1.6	2.1	
37	20MEC25	Thermal Turbo Machines	2.30	1.60				0.88	0.66	1.10	10.97	0.77	0.56	0.98		0.65	0.55	
38	20MEC26	Finite Element Analysis	2.57	2.57	1.71	1.71	2.57		0.86	0.86	2.57	1.71	0.86	1.71	2.57	2.57	1.71	
39	20MEE09	Computational Fluid Dynamics	1.20	1.10	1.40	1.50	1.70	1.30	1.32	1.22	1.23	1.89	1.44	1.77	1.88	1.92	1.65	
40	20MEE10	Additive Manufacturing	1.40	1.90	1.10	1.20	1.50	1.80	1.10	1.22	0.96	1.20	1.78	2.00	2.10	2.20	1.77	
41	20MEE11	Operations Research	1.94	1.15	0.95		0.96	1.9	0.98	0.97	0.96			1.9	1.16	0.96	0.93	
42	20MEE12	Industrial Safety and Maintenance	2.20	2.10	2.00	1.95	1.88	1.30	1.70	1.90	1.50	1.60	1.90	1.11	1.20	2.00	1.98	
43	20MEC27	Metrology and Instrumentation Lab	2.4	1.8	1.8	1	0.6	0.8						2	1	3	1	
44	20MEC28	Machine Drawing Lab	3.00	3.00	3.00	2.50	2.70	2.80	2.90	2.40	2.66	2.65	2.40	2.22	2.67	2.80	2.91	
45	20MEC29	Production Drawing Lab	3.00	3.00	3.00	3.00	2.80	2.90	2.60	2.50	2.40	2.54	2.66	2.99	2.65	2.51	2.11	
46	20MEC30	Thermal Engineering Lab	2.00					1.40	1.22	1.12	2.10	2.40	1.10	2.00	1.40		1.98	
47	20MEC31	Finite Element Analysis Lab	2.10	2.60	2.80	2.30	2.70	2.50	1.90			2.00	1.98	2.20	2.50	2.40	2.20	
48	20EGCO3	Employability Skills Lab	3.00	3.00	3.00	2.70	2.80	2.00	2.50	2.20	2.50	2.70	2.90	2.20	2.10	2.20	2.20	
49	20EGM04	Gender Sensitization			1.00			1.70	1.80	0.89	0.90	1.10	1.80	1.80	2.10	2.20	2.10	
50	20MBC01	Engineering Economics and Accountancy	1.4	2	1.6	1.8	1.5	1	1.4	1.5	1	1	1	2	1			
51	20MEE13	Automobile Engineering	0.99	0.75	0.98	0.97	0.48	0.84	0.51	0.52	0.84	0.83	0.46	1.61	0.48	0.89	1.17	
52	20MEE16	Supply Chain Management	1.30	1.20	1.80	2.00	1.50	1.10	0.99	0.78	1.40	1.90	2.00	1.32	1.40	1.80	1.90	
53	20MEE17	Renewable Energy Sources	1.10	1.10	1.50	0.88	1.80	1.50	1.98	1.99	1.50	1.60	1.87	1.30	1.44	1.30	1.80	
54	20MEE18	Digital Manufacturing and Industry 4.0	2.10	2.00	2.00	1.98	1.67	1.77	1.34	1.76	1.25	1.99	1.14	1.78	1.98	1.33	1.44	
55	20MEE20	Block Chain Technology	0.91	0.95	0.98		1.01	1.86	2.10					2.53	0.86	0.90	1.50	
56	20CSC005	Basics of Artificial Intelligence	1.40	1.50	1.60	1.34	1.62	1.81	1.35	1.43	1.87	1.65	1.99	1.80	1.80	1.90	2.00	
57	20CEO02	Disaster and Risk Reduction Management	1.30	1.10	1.60	1.45	1.33	1.43	1.77	1.91	0.18	1.88	1.54	1.34	1.77	1.21	1.11	
58	20EGO01	Technical Writing Skills	2.50	2.60	2.80	2.90		2.20	2.50	2.60	2.30	2.22	2.70	2.22	2.60	2.50	2.77	
59	20IT002	Principles of Internet of Things	1.10	1.30	1.40	1.50	1.11	1.50	1.70	1.20	1.50	1.70	0.98	0.66	0.46	0.68	0.99	
60	20CSC002	Introduction to Web Technology	0.97	0.88	0.54	0.56	0.97	0.77	0.33	1.20	1.50	1.55	1.88	0.98	0.55	0.78	1.20	
61	20PYO01	History of Science and Technology	2.30	2.40	2.50	2.20	2.40	2.10	2.10	2.20	2.10	2.10	2.22	2.43	2.21	2.20	2.43	
62	20ADO01	Introduction to Python Programming	1.10	1.40	0.98	1.21	1.80	1.60						0.97	1.20	1.60	1.70	
63	20MEC33	PROJECT PART 1	0.67	0.8	1.6	1.6	0.8	1.2			1.2		0.8	0.8	0.4	1.33	1.33	
64	20EEO05	Waste Management	1.50	1.30	1.60		1.32	1.41	1.34	1.62					1.20	1.50	1.10	
65	20MEC34	Technical Seminar	1.4	1.4	0	1.8	0.42	0.56	0.42	0.14	0.56	0.84	0.51	1.68	0.7		0.7	
66	20MEC35	PROJECT PART 2	2.8	2.4	1.4	1.2	1.4	1.2	2	1.4	2.8	3	1	2.6	3	2	3	
Direct Attainment			1.89	1.77	1.51	1.51	1.52	1.36	1.32	1.40	1.81	1.66	1.45	1.68	1.67	1.57	1.56	
Indirect Attainment			2.95	2.85	2.9	2.95	3	2.97	2.82	2.79	2.55	3	2.75	2.78	3	3	3	3
Final PO attainment			2.11	1.99	1.78	1.80	1.81	1.68	1.62	1.68	1.96	1.93	1.71	1.90	1.94	1.86	1.85	

Maximum Direct	2.43	2.25	2.03	2.04	2.03	2.19	1.94	1.83	2.22	2.09	1.91	2.22	2.15	1.92	2.06		
Maximum Indirect	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
Maximum achievable	2.64	2.40	2.22	2.23	2.22	2.35	2.15	2.06	2.36	2.27	2.13	2.38	2.32	2.14	2.25		
PO Target for AY 22-23	2.04	1.92	1.78	1.79	1.78	1.88	1.72	1.65	1.90	1.82	1.70	1.90	1.86	1.71	1.80		
	YES	YES	YES	YES	YES	NO	NO	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

(Signature)
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