

Chaitanya Bharathi Institute of Technology
Department of Mechanical Engineering
PO and PSO Attainment of 2019-23 Batch

S.No	Code	Subject Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
1	18MT CO5	Mathematics – III	2.80	2.40	1.80	1.80								1.80			
2	18MB CO1	Engineering Economics And Accountancy	1.40	2.00	1.60	1.80	1.50	1.00	1.40	1.50	1.00	1.00	2.00	1.00			
3	18ME C03	Material Science And Metallurgy	1.43	1.14	1.42	0.98	1.14	1.05	0.86	0.53		0.56	0.56	1.30	1.39	1.72	1.59
4	18ME C04	Mechanics Of Materials	3.00	3.00	1.00	0.60			1.00					3.00	2.00	1.00	1.00
5	18PE C01	Manufacturing Processes	0.97	0.70	0.66	0.66	0.66	0.44	0.44		0.44	0.44	0.44	0.44	1.32		
6	18EG M01	Indian Constitution And Fundamental Principles	1.98	1.75	0.70	1.17	1.37							1.04			
7	18EE A01	Indian Traditional Knowledge						2.90	2.95								
8	18ME C05	Material Science And Metallurgy Lab	1.17	1.17	1.17	1.27	1.17	0.71	0.71	0.73	0.67	0.71		1.60	1.28	1.44	1.44
9	18ME C06	Mechanics Of Materials Lab	3.00	3.00	1.80	1.00						2.00		3.00	2.00	1.00	1.00
10	18PE C02	Manufacturing Processes Lab	3.00	3.00	1.80	1.00						2.00		3.00	2.00	1.00	1.00
11	18CS C05	Basics Of Data Structures	2.50	1.50	1.45												
12	18ME C07	Kinematics Of Machines	1.57	1.73	1.15	0.58	0.99		0.58					0.58	1.15	0.29	0.45
13	18ME C08	Thermodynamics	2.00	1.80				0.80	0.40			1.20		2.40			
14	18ME C09	Principles Of Management	0.57	0.33	0.57	0.24	0.57	1.69	1.03		1.58	0.81	1.14	0.99	0.16	0.16	0.44
15	18ME C10	Fluid Principles And Hydraulic Machines	1.99					3.00	3.00	1.99	3.00	2.99	3.00	2.99	1.99		3.00
16	18CE M01	Environmental Science	0.81					0.76	1.79	0.80				0.81	0.94		0.95
17	18CS C08	Basics Of Data Structures Lab	2.50	2.75	2.00	2.80											
18	18EG C03	Soft Skills Lab	1.00	1.00	1.00	1.00	1.00	0.92	0.88	2.13	2.41	1.83	1.48	2.03	0.92		0.92
19	18ME C11	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
20	18ME C12	Dynamics of Machines	2.11	2.11	1.76	2.11				1.41		1.41		2.11	2.11	0.70	1.41
21	18ME C13	Applied Thermodynamics & Heat Transfer	1.49	0.27	0.14			0.61	0.74						0.96		1.51
22	18ME C14	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
23	18PE C07	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
24	18ME E01	Refrigeration and Air Conditioning	1.84	0.92	0.92	1.84	2.75	2.75	2.75	2.75	2.75	2.75		2.75	1.89		2.76
25	18PE E02	Product Design and Process Planning	2.40	1.83	1.82	1.86	1.62	0.89				1.34	1.44	1.82	1.61	0.85	
26	18ME E04	Automobile Engineering	0.99	0.75	0.98	0.55	0.48	0.84	0.51	0.52	0.84	0.83	0.46	1.61	0.48	0.89	1.17
27	18ME E05	Nano Science and Technology	1.97	1.71			1.94					2.14		1.37	1.94	2.00	2.00
28	18ME C15	Dynamics & Vibrations Lab	2.80	2.00	1.20	0.40	0.20										
29	18ME C16	Applied Thermodynamics & Heat Transfer Lab	1.60	1.60	0.32			0.96	0.64	0.96	2.40	2.40		2.40	1.07		1.60
30	18PE C08	Metal Cutting and Machine Tool Engineering Lab	2.80	2.20	2.00	1.60	2.00	1.00	1.00	1.00	1.80	1.00	1.00	2.00	2.60	3.00	1.00
31	18ME C20	CAD/CAM Lab	2.70	1.80	1.80	1.80	2.70	1.80	0.90	0.90	2.70	2.70	0.90	2.52	1.80	0.90	1.98
32	18ME C21	Thermal Engineering Lab	2.89	2.89	1.73	0.96						1.93		2.89	1.93	0.96	0.96

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33	18ME C17	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
34	18ME C18	Machine Design	2.42	2.42	1.48			1.61		0.75				2.42	2.08	0.81	1.78
35	18ME C19	Thermal Turbo Machines	1.79	0.92	0.23	0.30			1.20			2.99		2.99	1.98		3.00
36	18ME E08	Object Oriented Programming with C++	1.99	1.99	1.59	0.60	0.80		1.79	0.00	1.59	1.59	1.00	2.40	1.00	1.00	1.00
37	18PE E06	Production and Operations Management	2.00	2.60	1.50	2.90	2.50	1.50	2.83	2.80	2.50	2.20	1.70	1.90	1.50	1.80	1.50
38	18ME E12	Computational Fluid Dynamics	2.85	2.92	1.50	1.35	1.45		2.45					1.21			
39	18ME E13	Principles of Entrepreneurship	2.80	2.60	2.40	2.25	2.75	1.50		2.00	2.00	1.50	1.60	2.00	1.00	1.00	2.40
40	18PE E08	Modern Machining and Forming Methods	1.35	1.19	1.16	1.11	1.01	0.50	0.69	0.50	0.85	0.50	0.50	1.01	1.08	1.51	0.66
41	18ME E15	Blockchain Technology	2.40	2.40	1.60	1.60	2.40		0.80	0.80	2.40	1.60	0.80	1.60	2.40	2.40	1.60
42	18ME E17	Renewable Energy Sources	1.06	1.37	0.98	1.07	1.07	1.23	1.08	0.91	0.93	0.93	0.98	1.38	1.53	2.29	1.13
43	18ME E19	Artificial Intelligence	1.52	1.52		0.32	0.48	0.64	0.48	0.16	0.64	0.96	0.32	1.92	0.80		0.94
44	18ME E20	Industrial Administration and Financial Management	0.89	1.02		0.68					0.59		1.49	0.59		0.73	0.77
45	18MEC27	Metrology and Instrumentation	1.48	1.07	0.77	0.87	0.40	0.50	0.13					0.74	1.98		0.74
46	18MEC23	Operation Research	1.94	1.15	0.95		0.96	1.90	0.98	0.97	0.96		1.90	1.16	0.96	0.93	2.31
47	18MEC24	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
48	18MEE21	Power Plant Engineering	1.06	0.82	1.11	0.61	0.57	0.85	0.55	0.57	0.92	0.90	0.49	1.74	0.57	0.97	1.24
49	18MEE24	Innovation and Intellectual Property	1.98	2.65	2.65	2.31	2.31	1.94	2.45	0.67	2.65	2.65	2.65	2.65	0.89	0.90	0.92
50	18MEE12	Supply Chain Management	1.99	2.73	2.73	2.36	2.36	1.99	2.56	0.74	2.73	2.73	2.73	2.73	0.92	0.86	0.86
51	18IT O01	Object Oriented Programming using JAVA	2.50	2.50	1.30	3.00	2.80	2.20	2.88	2.10	2.80	2.90	2.95	2.85	3.00	3.00	3.00
52	18EG O02	Gender Sensitization	1.00	1.40	1.40	1.40	1.00	1.40	1.40	2.52	1.20	1.20	1.20		1.00	1.00	
53	18ME C25	Metrology and Instrumentation Lab	2.40	1.80	1.80	1.00	0.60	0.80				2.00		1.00	3.00		1.00
54	18ME C26	Computer Aided Engineering Lab	2.70	2.70	1.80	2.70	2.70	2.70	0.90		2.70	2.70	0.90	2.52	2.70	0.90	2.70
55	18ME C27	Project: Part - 1	0.67	0.80	1.60	1.60	0.80	1.20		1.20		0.80	0.80	0.40	1.33	1.33	1.33
56	18MT O01	Decision Theory	1.93	1.14	0.96		0.94	1.97	0.98	0.95	0.93		1.97	1.16	0.96	0.88	2.32
57	18EG O01	Technical Writing Skills			2.70			2.20	2.80	2.60	2.90		2.82	2.25		2.25	2.50
58	18CE O02	Disaster Mitigation and Management	2.20	2.40	2.27	2.80	2.89	2.13	2.79	2.84	2.75	2.00	2.05	2.16	2.81		2.67
59	18EE O05	Waste Management	1.94	1.78	1.91	2.92			2.92	2.54			2.12	2.43	2.81	1.98	2.22
60	18ME C28	Technical Seminar	1.40	1.40		0.28	0.42	0.56	0.42	0.14	0.56	0.84	0.28	1.68	0.70		0.70
61	18ME C29	Project Part - 2	2.80	2.40	1.40	1.20	1.40	1.20	2.00	1.40	2.80	3.00	1.00	2.60	3.00	2.00	3.00
Direct Attainment			1.94	1.79	1.42	1.38	1.45	1.32	1.35	1.27	1.81	1.67	1.31	1.83	1.58	1.37	1.50
Indirect Attainment			2.89	2.52	2.77	2.85	2.95	2.88	2.72	2.90	2.45	2.95	2.25	2.28	2.95	2.95	2.95
Final PO attainment			2.13	1.94	1.69	1.68	1.75	1.63	1.62	1.60	1.94	1.92	1.50	1.92	1.85	1.68	1.79
Maximum Direct			2.13	1.95	1.73	1.74	1.74	1.89	1.64	1.53	1.92	1.79	1.61	1.92	1.85	1.62	1.76
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
Maximum achievable			2.30	2.16	1.98	1.99	1.99	2.11	1.91	1.82	2.14	2.03	1.89	2.14	2.08	1.90	2.01
PO Target for AY 22-23			1.94	1.81	1.67	1.67	1.67	1.77	1.61	1.53	1.79	1.71	1.59	1.79	1.75	1.59	1.69
Attainment Status			YES	YES	YES	YES	YES	NO	YES	YES	YES	YES	NO	YES	YES	YES	YES