

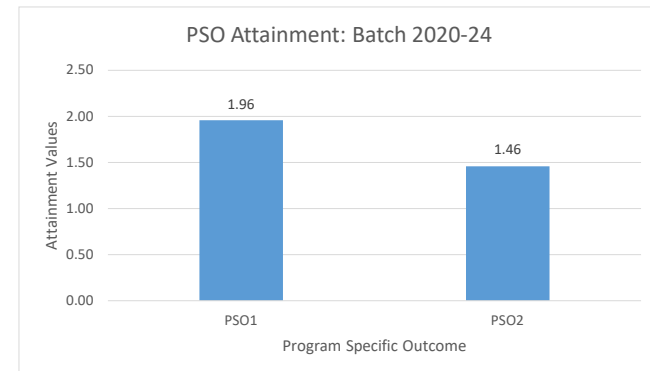
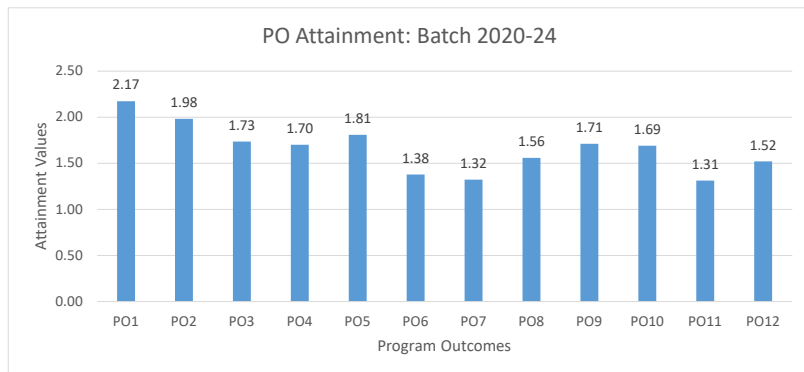
K S INSTITUTE OF TECHNOLOGY, BANGALORE
DEPARTMENT OF MECHANICAL ENGINEERING
PO ATTAINMENT: 2020-24 BATCH

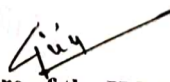
SL NO	COURSE CODE	CODE	COURSE NAME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
1	18MAT11	C101	Calculus and Linear Algebra	0.30	0.20	0.15	–	–	–	–	–	–	–	–	–	0.16	–
2	18PHY12	C102	Engineering Physics	0.82	0.72	0.58	–	–	–	–	–	–	–	–	0.56	0.20	–
3	18ELE13	C103	Basic Electrical Engineering	1.74	1.60	1.74	–	–	–	–	–	0.58	1.16	0.58	1.74	1.74	1.02
4	18CIV14	C104	Elements of Civil Engineering & mechanics	1.20	1.20	0.50	0.55	–	0.30	0.30	0.30	0.20	0.20	0.20	0.80	0.80	0.40
5	18EGDL15	C105	Engineering Graphics	2.20	2.80	2.00	–	3.00	–	–	–	–	–	–	–	1.00	1.00
6	18PHYL16	C106	Engineering Physics Lab	3.00	2.50	2.00	1.00	–	–	2.00	–	2.00	–	–	1.87	2.00	–
7	18ELEL17	C107	ELECTRICAL LAB	3.00	2.00	–	–	–	1.00	–	–	–	–	–	0.93	1.67	1.00
8	18EGH18	C108	TECHNICAL ENGLISH I	–	–	–	–	–	–	–	2.00	3.00	3.00	2.00	3.00	–	–
9	18MAT21	C107	Advanced Calculus & numerical Methods	3.00	2.00	1.40	–	–	–	–	–	–	–	–	–	1.80	–
10	18CHE22	C108	Engineering Chemistry	3.00	2.00	1.00	1.00	–	–	–	–	–	–	–	–	1.33	–
11	18CPS23	C109	C Programming for Problem Solving	0.76	0.98	0.94	0.73	–	–	–	–	–	–	–	0.34	0.94	0.92
12	18ELN24	C110	Basic Electronics	3.00	2.40	3.00	–	–	–	1.00	–	–	–	–	2.80	1.80	–
13	18ME25	C111	Elements of Mechanical Engineering	3.00	2.00	1.00	–	–	–	–	–	–	–	–	0.20	1.00	–
14	18CHEL26	C112	Engineering Chemistry Lab	3.00	2.00	1.00	–	–	–	–	–	–	–	–	–	1.00	–
15	18CPL27	C113	C Programming Laboratory	2.60	3.00	2.80	1.33	–	–	–	–	–	–	–	0.80	2.20	1.96
16	18 ENG 28	C116	TECHNICAL ENGLISH II	–	–	–	–	–	–	–	3.00	3.00	3.00	2.00	3.00	–	–
17	18MAT31	C201	Transform calculus, Fourier Series & Numerical Techniques	0.30	0.20	0.14	–	–	–	–	–	–	–	–	–	0.10	–
18	18ME32	C202	Mechanics of Materials	3.00	2.00	1.00	2.00	2.00	–	–	–	2.00	–	–	2.00	2.00	1.00
19	18ME33	C203	Basic Thermodynamics	0.30	0.20	0.20	0.10	0.10	0.10	0.10	–	0.10	–	–	0.10	0.30	0.10
20	18ME34	C204	Material Science	0.22	0.23	–	–	–	–	–	–	–	–	–	0.10	0.13	0.10

21	18ME35A	C205	Metal cutting and Forming	0.30	-	0.10	0.20	-	0.10	0.10	-	-	-	-	0.10	0.30	0.10
22	18ME36A	C206	Computer aided machine drawing	3.00	2.20	2.00	2.00	3.00	1.40	-	-	1.00	-	-	2.00	3.00	1.40
23	18MEL37A	C207	Material Testing Lab	3.00	3.00	3.00	3.00	2.80	1.00	1.00	-	2.00	2.00	1.00	2.00	3.00	2.00
24	18MEL38A	C208	Workshop & Machine Shop Practice	3.00	-	-	-	-	2.00	-	-	3.00	-	-	-	2.00	1.00
25	18MAT41	C209	Mathematics	0.30	0.22	0.14	-	-	-	-	-	0.20	0.20	-	0.16	0.20	-
26	18ME42	C210	Applied Thermodynamics	0.30	0.84	0.20	0.18	0.10	0.10	0.16	-	-	-	-	0.20	0.30	0.10
27	18ME43	C211	Fluid Mechancis	0.30	0.22	0.10	0.16	0.10	-	-	-	-	0.10	-	0.10	0.26	0.10
28	18ME44	C212	Kinematics of Machines	0.26	0.90	-	-	-	-	-	-	-	-	-	-	0.18	0.20
29	18ME45B	C213	Metal casting and welding	1.50	0.86	0.64	0.64	-	1.00	1.00	-	0.64	0.64	-	0.64	1.92	1.68
30	18ME46B	C214	Mechanical Measurement & Metrology	1.68	0.84	0.70	-	-	0.70	0.70	-	0.70	1.26	-	1.40	1.40	1.40
31	18MEL47B	C215	Mechanical Measurement & Metrology Lab	2.40	1.40	-	-	-	-	-	2.00	3.00	1.00	-	-	2.40	2.00
32	18MEL48B	C216	Foundry, Forging & Welding Lab	3.00	3.00	1.00	1.00	1.00	1.00	-	-	1.00	-	-	1.00	3.00	1.00
33	18ME51	C301	Management & Economics	1.20	1.20	0.56	0.56	0.75	0.40	0.40	-	1.20	1.20	0.78	0.40	1.20	1.20
34	18ME52	C302	Design of Machine Elements - I	1.00	1.00	1.00	1.00	0.00	3.00	1.00	1.00	1.00	3.00	0.00	3.00	3.00	1.00
35	18ME53	C303	Dynamics of Machinery	0.20	0.30	-	-	-	-	-	-	0.10	-	-	-	0.20	0.10
36	18ME54	C304	Turbomachines	1.02	1.02	0.68	0.34	0.34	0.40	-	-	-	-	-	0.34	1.02	0.34
37	18ME55	C305	Fluid Power Engineering	3.00	2.40	2.60	-	1.00	1.00	-	1.00	1.00	2.00	-	1.00	2.60	1.00
38	18ME56	C306	Operation Management	0.40	0.40	-	-	-	0.16	-	-	-	-	0.16	0.16	0.16	0.28
39	18MEL57	C307	Fluid Mechanics Lab	3.00	2.40	1.00	2.00	1.00	-	-	-	1.00	1.00	-	1.00	2.00	1.00
40	18MEL58	C308	Energy Conversion Lab	3.00	3.00	1.00	1.00	1.00	1.00	-	-	1.00	-	-	1.00	3.00	1.00
41	18ME61	C309	Finite Element Methods	2.10	2.28	1.40	0.70	0.70	-	-	-	0.70	0.70	-	0.70	2.10	0.70
42	18ME62	C310	Design of Machine Elements - II	0.30	0.30	0.26	0.16	-	-	-	0.10	-	-	-	-	0.30	0.10
43	18ME63	C311	Heat Transfer	0.30	0.22	0.10	0.16	0.10	-	-	-	-	0.10	-	0.10	0.26	0.10

44	18ME641	C312	Non Traditional machining	2.82	2.00	2.00	–	–	–	0.90	1.00	3.00	2.00	–	1.80	2.08	1.88
45	18CS654	C313	Introduction to Operating System	0.30	–	–	–	0.20	–	–	–	–	0.20	0.10	0.20	0.20	0.10
46	18MEL66	C314	Computer aided modelling and analysis lab	3.00	3.00	3.00	3.00	3.00	1.00	1.00	–	1.00	1.00	1.00	1.00	3.00	3.00
47	18MEL67	C315	Heat transfer Lab	3.00	2.20	–	–	2.00	–	–	–	1.00	2.00	–	–	3.00	2.00
48	18MEMP68	C316	Mini - Project	3.00	3.00	3.00	3.00	2.80	1.00	1.00	–	2.00	2.00	1.00	2.00	3.00	2.00
49	18ME71	C401	Control Engineering	2.26	1.72	0.78	1.52	0.82	–	–	–	–	0.82	–	0.82	2.26	0.82
50	18ME72	C402	Computer Aided Design and Manufacturing	1.92	1.28	0.64	–	–	1.28	0.64	–	0.64	0.64	–	0.63	1.92	0.64
51	18ME734	C403	Total Quality Management	1.02	–	–	–	–	–	–	0.34	0.34	1.02	–	–	1.02	0.60
52	18ME741	C404	Additive Manufacturing	3.00	2.00	2.00	1.00	–	–	–	–	–	–	–	1.00	3.00	1.80
53	18CS752	C405	Python Application Programme	1.20	0.96	1.04	–	0.40	0.40	–	0.40	0.40	0.80	–	0.40	1.04	0.40
54	18MEL76	C406	Computer Integrated Manufacturing Lab	3.00	2.20	2.00	–	2.67	1.00	1.00	–	–	–	1.00	2.00	3.00	2.00
55	18MEL77	C407	Design Lab	3.00	3.00	3.00	3.00	2.80	1.00	1.00	–	2.00	2.00	1.00	2.00	3.00	2.00
56	18MEP78	C408	Project phase - I	3.00	3.00	3.00	3.00	2.80	1.00	1.00	–	2.00	2.00	1.00	2.00	3.00	2.00
57	18ME81	C409	Energy Engineering	3.00	2.00	1.00	2.00	–	2.00	1.00	–	1.00	1.00	–	1.00	3.00	1.00
58	18ME822	C410	Tribology	0.66	0.50	0.40	0.22	–	0.22	–	–	0.22	0.18	0.25	0.40	0.66	0.34
59	18MEP83	C411	Project phase - I	3.00	3.00	3.00	3.00	2.80	1.00	1.00	–	2.00	2.00	1.00	2.00	3.00	2.00
60	18MES84	C412	Technical Seminar	3.00	3.00	3.00	2.00	2.00	1.00	1.00	–	2.00	2.00	1.00	2.00	3.00	2.00
61	18ME85	C413	Internship	3.00	3.00	3.00	3.00	3.00	2.00	2.00	–	2.00	2.00	1.00	2.00	3.00	2.00
PO attainment				1.90	1.67	1.36	1.35	1.51	0.95	0.88	1.11	1.33	1.32	0.84	1.14	1.63	1.06

PO's	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
Direct Attainment [A]	1.96	1.73	1.42	1.37	1.51	0.97	0.90	1.20	1.39	1.36	0.89	1.15	1.69	1.07
Program Exit Survey	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Alumni Survey	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Indirect Attainment [B]	3	3	3	3	3	3	3	3	3	3	3	3	3	3
C = 0.8*A	1.57	1.38	1.13	1.10	1.21	0.78	0.72	0.96	1.11	1.09	0.71	0.92	1.36	0.86
D = 0.2*B	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Total PO Attainment	2.17	1.98	1.73	1.70	1.81	1.38	1.32	1.56	1.71	1.69	1.31	1.52	1.96	1.46




Signature of the HOD
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