

Madhav Institute of Tecnology & Science Gwalior

PO Attainment 2017-2021

B.E./B.Tech. Mechanical Engineering

S.No.	Subject Name and Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
1	Mathematics-II (100001)	2.25	2.25	2.21	2.17	2.25		2.80					2.45	2.25	2.25
2	Material Science (120301)	2.46	2.45	2.40	2.34	2.34	2.45	2.49	2.53	2.42	2.46	2.47	2.46	2.45	2.45
3	Mechanics of Materials (120302)	2.01	2.00	1.90	1.82	1.80	1.98	2.04	1.78	2.01	2.15	2.00	1.95	1.98	2.01
4	Theory of Machines-1 (120303)	1.92	1.97	1.95	1.90	1.93	2.01	1.95	1.96	2.30	2.05		1.93	1.87	1.92
5	Fluid Mechanics and Hydraulic Machines (120304)	1.99	1.99	1.94	2.01	1.65	2.07	2.07	2.07	1.76	1.70	2.12	2.07	1.99	2.09
6	Mechanics of Materials lab (120302 P)	2.12	2.14	1.96	2.08	1.96	2.13	2.11	1.96	2.07	2.21	1.96	2.07	2.14	2.07
7	Theory of Machines-1 Lab (120303 P)	2.33	2.39	2.56	2.32	2.52	2.39	2.46	2.25	2.78	2.23		2.39	2.36	2.27
8	Fluid Mechanics and Hydraulic Machines Lab (120304 P)	2.59	2.60	2.54	2.64	2.52	2.62	2.62	2.62	2.56	2.48	2.75	2.62	2.60	2.59
9	Software lab (120305 P)	2.53	2.45	2.49	2.40	2.30	2.47	2.44	2.48	2.47	2.57	2.50	2.47	2.45	2.47
10	Self-Learning/Presentation Lab (120306 P)	2.22	2.22	2.38	2.28	2.14	2.26	2.20	2.17	1.97	1.97		2.29	2.22	2.21
11	Summer Intership Program (120307 P)	2.40	2.38	2.58	2.38	2.54	2.38	2.38	2.38	2.37	2.50	2.30	2.38	2.38	2.46
12	Biology for Engineers (100002)	2.42	2.38	2.41	2.40	2.42	2.33	2.19		2.42	2.41	2.41	2.44	2.47	2.43
13	Mathematics-III (100003)	2.44	2.45	2.44	2.46	2.42	2.43	2.42	2.43	2.44	2.49	2.42	2.43	2.44	2.43
14	Cyber Security (100004)	2.59	2.74	2.56	2.79	2.67	2.56	2.52	2.70	2.61	2.79	2.50	2.58	2.55	2.56
15	Theory of Machines –II (120401)	2.20	2.07	2.17	2.19	2.55	2.16	2.06	2.18	2.16	2.10	2.26	2.17	2.26	2.18
16	Design of Machine Elements (120402)	2.54	2.56	2.54	2.56	2.58	2.64	2.49		2.54	2.52	2.55	2.56	2.54	2.54
17	Manufacturing Process (120403)	2.65	2.65	2.66	2.65	2.68	2.66	2.69		2.65	2.64	2.66	2.65	2.64	2.65
18	Engineering Thermodynamics (120404)	2.69	2.67	2.71	2.65	2.73	2.74	2.64	2.67	2.68	2.71	2.61	2.67	2.68	2.69
19	Theory of Machines –II lab (120401 P)	2.76	2.76	2.76	2.77	2.76		2.76	2.76	2.77	2.77	2.76		2.76	2.77
20	Design of Machine Elements lab (120402 P)	2.12	2.06	2.05	2.22	1.96	2.26	1.97	1.94	2.10	2.10	2.26	2.08	2.11	2.14
21	Production Lab (120405 P)	2.52	2.54	2.43	2.49	2.50	2.58	2.75		2.52	2.54	2.75	2.49	2.47	2.47
22	Industrial Engineering (120501)	2.19	2.22	2.20	2.21	2.24	2.15	2.21	2.09	2.21	2.27	2.19	2.20	2.21	2.19
23	(120501)	2.43	2.41	2.43	2.18	2.32	2.49	2.31	2.42	2.43	2.38	2.25		2.28	2.28
24	Heat & Mass Transfer (120503)	2.13	2.03	2.09	1.93	1.98	2.09	2.06	2.03	2.05	1.99	2.14	2.00	2.05	2.00

25	Thermal Engineering (120504)	2.16	2.35	2.35	2.23	2.39	2.34	2.35	2.37	2.37	2.20	2.18	2.36	2.37	2.41
26	Machine Design (120505)	2.24	2.24	2.27	2.23	2.23	2.17	2.30	2.27	2.25	2.26	2.24	2.27	2.32	2.19
27	Heat & Mass Transfer lab (120503 P)	2.14	2.20	2.19	2.47	1.77	1.86	2.19	1.86	2.14	2.42		2.37		
28	Thermal Engineering lab (120504 P)	2.70	2.70	2.67	2.82	2.72	2.83	2.60	2.71	2.75	2.72	2.74		2.70	
29	Machine Design lab (120505 P)	2.70	2.73	2.70	2.75	2.84	2.57	2.66	2.60	2.67	2.70	2.47	2.71	2.54	2.56
30	Minor Project-I (120506)	2.50	2.47	2.60	2.30	2.37	2.36	2.37	2.54	2.51	2.60	2.53	2.47	2.42	2.48
31	Summer Internship Project-II (120507)	2.74	2.71	2.82	2.84	2.35	2.65	2.59	2.73	2.35	2.82	2.83	2.83	2.69	2.71
32	Management (100005)	1.43	1.27	1.69	1.92	0.85	1.49	0.86	1.15	2.03	1.60		1.98		
33	(120601)	2.58	2.69	2.59	2.52	2.44	2.40	2.46	2.61	1.88	2.46	2.16	2.17	2.79	2.61
34	Vibration & Noise Engineering DE-1 (120611)	2.27	2.26	2.27	2.16	2.35	2.30	2.13	2.26	2.30	2.72	2.15	2.40	2.35	2.25
35	(120612)	2.30	2.27	2.29	2.31	2.34	2.25	2.32	2.31	2.34	2.25	2.32	2.33	2.30	
36	(120613)	2.35	2.36	2.39	2.35	2.35			2.30	2.38	2.38	2.35	2.37		
37	NPTEL/SWAYAM (120651)	2.32	2.33	2.31	2.30	2.38	2.38	2.38	2.39	2.32	2.42	2.20	2.34	2.25	2.33
38	Technology DE-2 NPTEL/SWAYAM	2.08	2.10	2.00	2.09	2.04	2.01	2.06	2.01	2.01	2.01	2.06	2.02	2.05	2.11
39	Disaster Management (100007)	2.15	2.23	2.20	2.20	2.31	2.24	2.26	2.16	2.27	2.26	2.18	2.39		
40	Minor Project-II (120605)	2.28	2.11	2.20	2.17	2.18	2.35	2.36	2.12	2.33	2.31	2.27	2.37	2.32	2.27
41	Advance Production Technology lab (120604 P)	2.80	2.72	2.77	2.85	2.83	2.86	2.90	2.75	2.73	2.71	2.85	2.81	2.91	2.72
42	Robotics OC-1 (900101)	2.27	2.33	2.23	2.16	2.16	2.34	2.20	2.24	2.16	2.29	2.24	2.51	2.30	2.27
43	Product Design OC-1 (900102)	2.22	2.25	2.27	2.33	2.51	2.09	2.09	2.25	1.81	2.37	2.23	2.19	2.16	2.21
44	(120711)	2.27	2.25	2.30	2.30	2.16	2.27	2.28	2.24	2.32	2.26	2.25	2.22	2.32	2.24
45	DE-3 (120713)	2.15	2.20	2.23	2.10	2.19	2.21	2.15	2.23	2.21	2.15	2.31	2.13	2.19	2.18
46	TQM DE-3 (120714)	2.13	2.08	2.07	2.00	2.23	2.15	2.06	2.11	2.15	2.15	2.16	2.11	2.15	2.06
47	Intellectual Property Rights (100008)	2.31	2.30	2.37		2.41	2.24	2.41	2.33	2.24	2.20	2.44	2.30		
48	Reliability and Vibration Lab (120705)	2.09	2.09	2.21	2.19	2.18	2.10	2.25	2.31	2.30	2.20	2.15	2.17	2.21	2.12
49	Summer Internship Project - III (120706)	2.19	2.19	2.17	2.22	2.19	2.17	2.19	2.20	2.14	2.18			2.20	2.19
50	Creative Problem Solving (120707)	2.41	2.26	2.48	2.23	2.52	2.40	2.38	2.24	2.44	2.26	2.25	2.26	2.41	2.28
51	Industrial Automation OC-2 (900203)	2.21	2.40	2.36	2.38	2.29	2.41	2.46	2.60	2.41	2.22	2.40	2.23	2.48	2.30
52	Solar Energy OC-2 (900204)	2.31	2.31	2.34	2.14	2.34	2.31	2.22	2.29	2.35	2.27	2.23	2.40	2.23	2.31
53	Applications OC-3 (900214)	2.76	2.75	2.59	2.71	2.69	2.74	2.69	2.66	2.76	2.77	2.72	2.75	2.83	
54	Maintenance Engineering OC-3 (900215)	2.35	2.38	2.42	2.41	2.43	2.55	2.43	2.43	2.48	2.39	2.48	2.35	2.35	2.58
55	Internship/Project (120801)	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	
56	Professional Development (120802)			2.43	2.42	2.41	2.43	2.40	2.40	2.50	2.40	2.40	2.39	2.35	2.42

INDIRECT PO ATTAINMENT	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO 2
Exit Survey	2.16	2.13	2.09	2.16	2.06	2.16	2.08	2.30	2.18	2.34	2.30	2.14	2.18	2.23
Alumni Survey	2.00	2.05	1.93	2.02	1.86	2.04	1.90	1.93	2.10	2.12	1.93	2.05	2.01	1.76
Employer Survey	1.84	1.93	1.90	1.74	1.61	1.66	1.87	1.89	1.82	1.90	1.68	1.31	1.66	1.58
Indirect PO Attainment	2.00	2.03	1.98	1.97	1.84	1.95	1.95	2.04	2.03	2.12	1.97	1.83	1.95	1.86

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Department : Mechanical Engineering	Year 2017-2021
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PO ATTAINMENT	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO 2
Direct PO Attainment	2.34	2.34	2.36	2.34	2.32	2.34	2.34	2.31	2.35	2.36	2.38	2.36	2.38	2.34
Indirect PO Attainment	2.00	2.03	1.98	1.97	1.84	1.95	1.95	2.04	2.03	2.12	1.97	1.83	1.95	1.86
Overall PO Attainment	2.27	2.28	2.28	2.27	2.23	2.27	2.26	2.26	2.29	2.31	2.30	2.25	2.29	2.24

