

Madhav Institute of Tecnology & Science Gwalior

Department :		MECHANICAL ENGINEERING						Batch		2018-2022					
S.No.	Course Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO 2
1	Mathematics-II (100001)	2.09	2.26	1.97	2.29	2.14	2.26	1.64	2.23	2.04	2.45	2.23	2.25	2.11	
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 Internship 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	Mathematics-III (100003)	2.42	2.42	2.42	2.44	2.42	2.41	2.42	2.43	2.42	2.48	2.42	2.42	2.42	2.42
13	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
14	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
15	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
16	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
17	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
18	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
19	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
20	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
21	120501: Industrial Engineering	2.19	2.18	2.20	2.17	2.26	2.19	2.19	2.25	2.19	2.18	2.20	2.20	2.18	2.19
22	120502: Metal Cutting and Machine Tools	2.30	2.29	2.26	2.19	2.26	2.33	2.34	2.23	2.31	2.19	2.24	2.30	2.32	2.30
23	120503: Heat and Mass Transfer	2.30	2.28	2.28	2.31	2.16	2.28	2.30	2.39	2.29	2.35	2.36	2.31	2.31	2.29
24	120504: Thermal Engineering	1.97	1.99	2.06	1.95	1.99	2.11	2.01	1.95	2.18	1.97		1.97	2.06	2.02
25	120505: Machine Design	2.51	2.60	2.52	2.46	2.54	2.66	2.50	2.66	2.65	2.55	2.47	2.53	2.50	2.49
26	120506: Minor Project-I (DLC-3)	2.26	2.28	2.25	2.25	2.26		2.26	2.26	2.30	2.26	2.28	2.20	2.20	2.29
27	120507: Summer Internship Project-II (DLC-4)	2.17	2.07	2.30	2.17	2.37	2.16	2.01	2.18	2.24	2.23	2.08	2.20	2.18	2.17
28	120508: Self-learning/Presentation(SWAYAM/NPTEL/ MOOC)	2.30	2.28	2.26	2.30	2.35	2.33	2.25	2.28	2.31	2.43	2.26	2.29	2.29	2.29
29	120503(P) : Heat and Mass Transfer lab	2.29	2.29	2.24	2.29	2.29	2.21	2.28	2.28	2.24	2.29		2.29	2.26	2.27
30	120504(P): Thermal Engineering lab	2.03	2.02	2.03	2.04	2.03	2.03	2.02	2.11	2.02	2.03	2.04	2.03	2.04	2.04
31	120505(P) : Machine Design lab	2.42	2.42	2.43	2.40	2.43	2.42	2.39		2.37	2.44	2.33	2.44	2.32	2.42
32	120601: Advanced Production Technology	2.40	2.40	2.42	2.45	2.42	2.31			2.40	2.40	2.45	2.40	2.40	2.40
33	120611: Vibration and Noise Engineering	2.18	2.14	2.15	2.09	1.99			2.20	2.16	2.42	2.06	2.21	2.64	2.64
34	120612: Statistical Quality Control	2.19	2.28	2.18	2.32	2.22	2.23	2.10	2.10	2.10	2.10	2.24	2.22	2.07	2.27
35	120613: Work Study and Ergonomics	2.38	2.33	2.35	2.33	2.59	2.28	2.36	2.37	2.49	2.36	2.39	2.37	2.18	2.38
36	120614: Turbo Machinery	2.53	2.53	2.58	2.58	2.54	2.52	2.54	2.62	2.52	2.52	2.53	2.58	2.52	2.72
37	900101 (OC-1): Robotics	2.21	2.22	2.16	2.19	2.18	2.18	2.27	2.27	2.56	2.28	2.27	2.21	2.16	2.21
38	900102 (OC-1): Product Design	2.04	2.03	2.06	2.06	2.16	2.10	2.06	2.11	2.01	2.04	2.04	2.04	1.96	2.01
39	120601(P) : Advanced Production Technology lab	2.53	2.53	2.52	2.64	2.51	2.48	2.54	2.76	2.51	2.59	2.52	2.61	2.57	2.62
40	100007: Disaster Management	2.08	2.10	2.07	2.10	2.07	2.09	2.02	2.04	1.99	2.04	2.02	2.10	2.11	2.08
41	120605: Minor Project-II	2.05	1.98	2.13	2.10	2.78	2.23	2.12	2.35	2.02	2.06	2.17	2.07	1.67	1.97
42	120711: Refrigeration and Air-conditioning	2.36	2.37	2.38	2.35	2.34	2.36	2.38	2.39	2.36	2.35	2.38	2.37	2.40	2.36
43	120712: Basic of Finite Element Analysis	2.10	2.06	2.02	2.18	2.10	2.13	2.04	2.04	1.93	1.87	2.04	2.12	2.02	2.10
44	120713: Metrology, Measurement and Control	2.10	2.31	1.83	1.95	2.22			1.50	2.11	1.78	1.98	2.10	2.07	2.07
45	120714: Total Quality Management	2.21	2.21	2.13	2.15	2.09	1.85	2.04		1.95	2.19	2.00	2.14	2.10	2.09
46	900203: INDUSTRIAL AUTOMATION	2.04	2.04	1.99	2.15	2.02				2.04	2.02	2.15	2.04	2.04	2.02

47	900204: SOLAR ENERGY	2.24	2.22	2.19	2.26	2.26	2.25	2.19	2.18	2.19	2.20	2.19	2.24	2.17	2.24
48	900214: Engineering Materials for Industrial Applications	2.19	2.24	2.24	2.19	2.15	2.20	2.19	2.24	2.20	2.26	2.19	2.22	2.29	2.19
49	900215: Maintenance Engineering	2.21	2.21	2.16	2.20	2.07	2.19	2.22		2.04	2.26	2.03	2.23	1.99	2.07
50	100008: Intellectual Property Rights (IPR)	2.33	2.33	2.34			2.41	2.46	2.46		2.38	2.46	2.54		2.39
51	120701: Reliability and Vibration Lab	2.39	2.38	2.39	2.39	2.39	2.42	2.38		2.35	2.39	2.35	2.40	2.35	2.35
52	120702: Summer Internship Project-III	2.61	2.60	2.61	2.61	2.61	2.62	2.60		2.58	2.61	2.58	2.62	2.58	2.58
53	120703: Creative Problem Solving	2.44	2.53	2.42	2.44	2.45	2.63	2.63		2.41	2.48		2.71	2.44	2.39
54	120801: Internship/Project	2.61	2.61	2.60	2.60	2.59	2.61	2.72	2.67	2.58	2.60	2.62	2.61	2.61	2.57
55	120802: Professional Development	2.30	2.30	2.48			2.38	2.54	2.54		2.31	2.54	2.50		1.92

Column1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
PO Attainment Direct	2.30	2.31	2.29	2.30	2.31	2.32	2.31	2.28	2.30	2.31	2.32	2.31	2.28	2.30
PO Attainment Indirect	2.14	2.08	2.08	2.03	2.31	2.08	2.08	2.15	1.99	1.95	1.84	1.88	1.94	1.96
PO Attainment	2.27	2.26	2.25	2.25	2.31	2.27	2.26	2.26	2.24	2.24	2.22	2.23	2.21	2.23

