

Madhav Institute of Tecnology & Science Gwalior

Mechancial CO Attainment July-Dec 2021

3rdSemester Mechanical Engg. (B. Tech) Coordinator: Mr. Vedansh Chaturvedi			Indirect CO Attainment (Through Feedback)						Direct CO Attainment (Through Exams)						Total CO Attainment (20% Indirect + 80% Direct)						Target Level	COs not attained	Action Taken
Subject Code	Subject Name	Faculty I/C	CO1	CO2	CO3	CO4	CO5	CO6	CO1	CO2	CO3	CO4	CO5	CO6	CO1	CO2	CO3	CO4	CO5	CO6			
100001	Mathematics-II		2.40	2.20	2.36	2.10	1.96	1.95	2.16	2.45	2.09	2.79	2.21	2.27	2.21	2.40	2.15	2.65	2.16	2.21	2	NIL	
120311	Manufacturing Process (DC-2)	Prof. R P Kori	3.00	2.17	2.83	2.38	2.45	2.58	2.07	2.58	2.02	2.86	1.96	2.09	2.25	2.50	2.19	2.76	2.06	2.18	2	NIL	
120312	Mechanics of Materials (DC-3)	Mr. V. Shivhare	2.30	2.13	2.27	1.91	1.88	2.21	2.60	2.54	2.00	2.08	2.04	1.84	2.54	2.46	2.05	2.04	2.00	1.92	2	CO6	Students are encouraged to indulge in Skill Based projects
120313	Theory of Machines –I (DC-4)	Dr. Nitin Upadhyay	2.33	2.33	2.26	2.29	2.26	2.33	2.00	1.92	2.01	2.70	1.86	2.13	2.07	2.00	2.06	2.62	1.94	2.17	2	CO5	Gate oriented questions are given
120314	Fluid Mechanics and Hydraulic Machines (DC-5)	Prof. B. Pandey	2.30	2.03	2.25	2.49	2.16	2.21	2.80	2.40	2.80	2.47	2.53	2.68	2.70	2.33	2.69	2.48	2.45	2.59	2	NIL	
120312 (P)	Mechanics of Materials Lab	Prof. V. Shivhare	2.25	2.10	2.22	2.32	2.25	2.08	2.80	2.17	2.80	2.01	1.85	2.27	2.69	2.16	2.68	2.07	1.93	2.23	2	CO5	Students are encouraged to indulge in Skill Based projects
120313(P)	Theory of Machines –I Lab	Dr. Nitin Upadhyay	2.07	2.23	2.43	2.29	2.25	2.44	2.79	2.34	2.40	3.00	2.33	2.25	2.65	2.32	2.40	2.86	2.32	2.29	2	NIL	
120314(P)	Fluid Mechanics and Hydraulic Machines Lab	Prof. B. Pandey	2.38	2.28	2.33	2.18	2.76	2.44	2.19	2.36	2.13	2.58	2.15	2.27	2.23	2.35	2.17	2.50	2.27	2.30	2	NIL	
120315	Software Lab (DLC-1)	Prof. R P Kori	2.32	2.17	2.06	2.27	2.09	2.25	2.78	2.49	2.34	2.33	2.25	2.04	2.69	2.43	2.28	2.32	2.22	2.08	2	NIL	
120316	Self-learning/Presentation (SWAYAM/NPTEL/MOOC)	Dr. Dinesh Rathore	2.85	2.44	2.23	1.96	2.02	1.83	2.72	2.56	2.55	2.44	2.45	2.44	2.75	2.53	2.49	2.34	2.36	2.32	2	NIL	
120317	Summer Internship Programme	Dr. Amit Ahirwar	2.51	2.25	2.26	2.13	2.20	2.07	2.44	2.20	2.01	2.59	2.74	2.56	2.45	2.21	2.06	2.49	2.64	2.46	2	NIL	

5th Semester Mechanical Engg. (B. Tech) Coordinator: Mr. R. P. Kori			Indirect CO Attainment (Through Feedback)						Direct CO Attainment (Through Exams)						Total CO Attainment (20% Indirect + 80% Direct)						Target Level	COs not attained	Action Taken
Subject Code	Subject Name	Faculty I/C	CO1	CO2	CO3	CO4	CO5	CO6	CO1	CO2	CO3	CO4	CO5	CO6	CO1	CO2	CO3	CO4	CO5	CO6			
120501	Industrial Engineering	Mr. Ajay Singh Rajput	2.56	2.62	2.60	2.58	1.84	2.43	2.10	2.13	2.17	2.19	2.55	1.92	2.19	2.23	2.26	2.27	2.41	2.02	2	NIL	
120502	Metal cutting and machine tools	Dr. Surendra Kumar Chourasia	2.30	2.30	2.37	2.72	1.88	2.55	2.19	2.45	2.70	2.50	2.90	1.93	2.21	2.42	2.63	2.54	2.70	2.06	2	NIL	
120503	Heat & Mass Transfer	Dr. M. K. Gaur	2.34	2.43	2.53	2.44	1.78	2.31	1.96	2.02	1.96	2.08	1.96	1.80	2.04	2.10	2.08	2.15	1.92	1.90	2	CO5, CO6	Gives More Practical question
120504	Thermal Engineering	Dr Ashish Agarwal	2.50	2.33	2.38	2.21	1.76	2.12	2.37	2.38	2.56	1.91	1.85	2.04	2.40	2.37	2.52	1.97	1.83	2.05	2	CO4, CO5	Skill based project problems are added
120505	Machine Design	Prof. S. Agrawal	2.13	2.10	2.09	2.02	1.81	1.98	2.24	2.37	2.54	2.00	2.08	2.04	2.22	2.32	2.45	2.00	2.03	2.03	2	NIL	
120503 (P)	Heat & Mass Transfer lab	Dr. M. K. Gaur	2.09	2.40	2.45	1.93	2.30	2.47	2.52	2.34	2.49	1.94	1.88	2.08	2.43	2.35	2.48	1.94	1.96	2.16	2	CO4, CO5	Assignments and seminars are given
120504 (P)	Thermal Engineering lab	Dr Ashish Agarwal	2.36	2.27	1.91	1.80	2.00	2.18	1.93	2.59	2.17	2.68	2.50	2.40	2.02	2.53	2.12	2.50	2.40	2.36	2	NIL	
120505 (P)	Machine Design lab	Prof. S. Agrawal	2.20	2.09	2.22	2.38	2.54	2.38	2.34	2.24	2.58	2.24	2.08	2.08	2.31	2.21	2.51	2.27	2.17	2.14	2	NIL	
HS5X01	Principle of Hydraulic Machines and System Design (NPTEL)	Dr. Harbhajan Singh	2.38	2.34	2.30	2.35	1.92	2.37	2.18	2.46	2.34	2.12	1.80	1.91	2.22	2.44	2.33	2.17	1.82	2.00	2	CO5	Labs needed to be upgrade
HS5X02	System Design for Sustainability (NPTEL)	Dr. Harbhajan Singh	2.72	1.88	2.55	2.30	2.11	2.04	2.44	2.45	2.44	2.46	2.42	2.02	2.49	2.34	2.46	2.43	2.36	2.02	2	NIL	
HS5X03	Manufacturing Systems Technology I & II (NPTEL)	Dr. Harbhajan Singh	2.44	1.78	2.31	2.91	2.00	2.02	2.59	2.74	2.56	2.79	2.67	1.96	2.56	2.55	2.51	2.81	2.54	1.97	2	CO6	Some assignments given
MS5X01	Basics of Materials Engineering (NPTEL)	Mr. S.C Pal	2.21	1.76	2.12	2.72	1.93	1.98	2.20	2.07	2.17	2.19	2.55	2.16	2.20	2.01	2.16	2.30	2.43	2.13	2	NIL	
MS5X02	Fluid mechanics (NPTEL)	Dr Ravi Kant Ranjan	2.02	2.31	1.98	2.30	1.93	1.83	2.75	2.00	3.00	3.00	3.00	2.75	2.60	2.06	2.80	2.86	2.79	2.57	2	NIL	

120506	Minor Project-I		2.58	2.38	2.51	2.16	2.00	2.13	2.58	2.15	2.27	2.00	2.25	2.00	2.58	2.20	2.32	2.03	2.20	2.03	2	NIL	
120507	Summer Internship Project II (Evaluation)		2.16	2.33	2.19	2.07	2.00	2.05	2.29	2.27	2.04	2.35	2.00	2.00	2.26	2.28	2.07	2.29	2.00	2.01	2	NIL	
120508	Self-learning/Presentation (SWAYAM/NPTEL/MOOC)	Dr. Amit Ahirwar	2.38	2.41	2.67	2.09	2.36	2.32	2.43	2.00	2.38	2.10	2.33	2.36	2.42	2.08	2.44	2.10	2.34	2.35	2	NIL	

7thSemester Mechanical Engg. (B. Tech) Coordinator: Prof. Sharad Agrawal			Indirect CO Attainment (Through Feedback)						Direct CO Attainment (Through Exams)						Total CO Attainment (20% Indirect + 80% Direct)						Target Level	COs not attained	Action Taken
Subject Code	Subject Name	Faculty I/C	CO1	CO2	CO3	CO4	CO5	CO6	CO1	CO2	CO3	CO4	CO5	CO6	CO1	CO2	CO3	CO4	CO5	CO6			
120711	Refrigeration and Air-Conditioning (DE-3)	Mr. S.C Pal	2.37	2.27	2.32	2.25	2.16	2.21	2.63	1.97	2.50	2.00	2.00	1.94	2.57	2.03	2.46	2.05	2.03	2.00	2	CO6	Questions from GATE/IES added in assignments
120713	Metrology, Measurement and Control (DE-3)	Dr Amit Aherwar	2.34	2.07	2.00	2.21	2.28	2.31	2.63	2.11	2.52	2.00	1.99	1.93	2.57	2.10	2.42	2.04	2.05	2.01	2	NIL	
120714	TQM (DE-3)	Dr Dinesh Rathore	2.10	2.30	2.20	2.10	2.20	2.30	2.60	2.10	2.60	1.99	1.94	2.00	2.50	2.14	2.52	2.01	1.99	2.06	2	CO5	Extra assignment given
120751	Foundation of Computational Fluid Dynamics (DE-4)	Mr. Utkarsh Srivastava	2.62	2.88	2.69	1.99	2.20	1.92	2.73	2.00	2.59	2.14	1.96	2.32	2.71	2.18	2.61	2.11	2.01	2.24	2	NIL	
120752	Introduction to Composites (DE-4)	Dr. Surendra Kumar Chaurasiya	2.29	2.43	2.00	2.14	1.96	1.93	2.60	1.90	2.46	2.07	2.20	2.17	2.54	2.01	2.37	2.08	2.15	2.12	2	NIL	
120753	Advanced Machining Processes (DE-4)	Dr. Gavendra Norkey	2.44	2.74	2.30	2.73	1.80	1.80	3.00	2.30	2.76	2.90	2.08	1.79	2.89	2.39	2.67	2.87	2.02	1.79	2	CO6	Expert lectures from industry are planned to improve learning of students
120705	Reliability and Vibration Lab (DLC-6)	Dr. Nitin Upadhyay	2.25	2.21	2.16	2.56	3.00	1.78	2.64	2.91	2.48	2.45	2.15	2.15	2.56	2.77	2.41	2.47	2.32	2.08	2	NIL	
100008	Intellectual Property Rights (IPR) (MC)	Dr. Ravikant Ranjan	2.03	2.25	2.55	2.12	2.45	2.55	2.16	2.41	2.22	2.11	1.80	2.30	2.13	2.38	2.29	2.11	1.93	2.35	2	CO5	Extra resources are provided for selflearning
900203	Industrial Automation	Mr. Neeraj Mishra	2.46	2.20	2.21	1.92	2.05	2.59	2.12	2.14	2.55	1.97	1.95	1.97	2.19	2.15	2.48	1.96	1.97	2.10	2	CO4,CO5	More interactive sessions are planned with professionals from industry
900204	Solar Energy	Dr. Ravikant Ranjan	2.27	2.35	2.36	2.18	2.24	2.38	2.08	2.05	2.15	2.56	2.41	2.62	2.12	2.11	2.19	2.48	2.38	2.57	2	NIL	

900214	Engineering Materials for Industrial Applications	Mr. vaibhav shivhare	2.44	2.08	2.56	2.33	2.42	2.14	2.10	2.43	2.47	2.03	2.09	2.37	2.17	2.36	2.49	2.09	2.16	2.32	2	NIL	
900215	Maintenance Engineering	Dr Gavendra Norkey	2.29	2.53	2.19	2.08	1.96	2.02	2.25	2.25	2.27	2.05	2.09	2.07	2.26	2.31	2.25	2.06	2.06	2.06	2	NIL	
120706	Summer Internship Project - III		2.25	2.16	2.21	2.40	2.45	2.40	2.81	2.04	2.66	2.00	2.56	1.97	2.70	2.06	2.57	2.08	2.54	2.05	2	NIL	
120707	Creative Problem Solving	Dr. Surendra Kumar Chaurasiya	2.21	2.28	2.31	2.27	1.91	2.18	2.72	2.02	2.58	2.00	1.80	1.96	2.62	2.07	2.53	2.05	1.82	2.00	2	CO5	Skill based projects and their demonstration

CO Attainment July-Dec 2021

