

## Mechanical CO Attainment July-Dec 2022

3rd Semester Mechanical Engg. (B. Tech) Coordinator: Dr. Dinesh Kumar Rathore			Indirect CO Attainment (Through Feedback)						Direct CO Attainment (Through Exams)						Total CO Attainment (20% Indirect + 80% Direct)						Target Level	COs not attained	Action Taken	SIGNATURE OF FACULTY
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				
100025	Mathematics-II	Math Dept	2.09	2.79	2.83	2.02	2.05	1.95	2.50	2.37	2.27	2.32	2.01	1.95	2.42	2.45	2.38	2.26	2.01	1.95	2	CO6	More focus on the assignments	
120311	Manufacturing Process	Dr. A. Aherwar	2.02	2.86	2.27	1.91	2.02	1.96	2.08	2.34	2.07	2.00	1.98	2.02	2.07	2.45	2.11	1.98	1.99	2.01	2	CO4,CO5	Skill based projects are introduced	
120312	Mechanics of Materials	Dr. Dinesh Kumar Rathore	2.00	2.08	2.51	2.29	2.08	2.20	2.21	2.10	2.30	2.20	2.10	1.81	2.17	2.10	2.34	2.22	2.10	1.89	2	CO6	Practical exposure is needed to increase	
120313	Theory of Machines –I	Mr. Ajay Rajput	2.49	2.38	2.35	2.04	2.10	1.92	2.02	2.31	1.98	2.30	1.92	1.98	2.11	2.32	2.05	2.25	1.95	1.97	2	CO5,CO6	more focus on Practical exposure	
120314	Fluid Mechanics and Hydraulic Machines	Prof Utkarsh Srivastava	2.26	2.33	2.04	2.40	1.95	1.96	2.58	2.38	2.02	2.16	2.54	2.01	2.52	2.37	2.02	2.21	2.42	2.00	2	CO6	more focus on Practical exposure	
120315	Software Lab	Prof R.P Kori	2.38	2.57	2.30	2.38	2.35	1.74	2.16	2.33	2.19	1.97	2.06	2.02	2.20	2.37	2.21	2.05	2.12	1.97	2	CO6	Labs needed to be upgrade	
120316	Self-learning/Presentation	Dr Amit Aherwar	2.05	2.15	2.23	2.33	2.04	1.88	2.68	2.71	2.61	2.53	2.50	2.49	2.55	2.60	2.54	2.49	2.41	2.37	2	NIL		
120318	Summer Internship Programme	Dr. Dinesh Kumar Rathore	1.91	2.05	2.12	2.57	2.30	1.90	2.77	2.77	2.76	2.56	2.36	2.73	2.60	2.62	2.63	2.56	2.35	2.57	2	NIL		
100005	Project Management and Financing	Prof. V. Chaturvedi	1.95	2.34	2.13	2.60	2.31	1.72	2.10	2.10	2.26	2.78	2.80	2.77	2.07	2.15	2.23	2.74	2.70	2.56	2	NIL		
120312(P)	Mechanics of Materials lab	Dr. Dinesh Kumar Rathore	2.04	2.11	2.54	1.94	2.28	2.01	2.52	2.54	2.75	2.77	2.78	2.78	2.42	2.45	2.71	2.61	2.68	2.62	2	NIL		
120313(P)	Theory of Machines –I lab	Mr. Ajay Rajput	2.02	2.25	2.06	2.20	1.92	1.99	2.04	2.40	1.93	2.75	2.76	2.75	2.04	2.37	1.95	2.64	2.59	2.60	2	CO3	More focus on the assignments	
120314(P)	Fluid Mechanics and Hydraulic Machines lab	Prof Utkarsh Srivastava	2.02	2.25	2.06	2.20	2.00	1.99	2.41	2.44	2.27	2.78	2.78	2.78	2.33	2.40	2.23	2.66	2.62	2.62	2	NIL		

5th Semester Mechanical Engg. (B. Tech) Coordinator: Mr. V. 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	SIGNATURE OF FACULTY
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				
120511	Industrial Engineering	Dr. Nitin Upadhyay	2.65	2.32	2.40	2.10	2.13	2.19	2.20	2.07	2.17	1.90	1.94	2.16	2.29	2.12	2.22	1.94	1.98	2.17	2	CO4,CO5	Basics needed to be improved	
120514	Thermal engineering	Dr Ashish Aggarwal	2.23	2.35	2.17	2.19	2.45	2.01	2.83	2.45	2.70	1.72	2.08	1.95	2.71	2.43	2.59	1.81	2.15	1.96	2	CO4,CO6	Prior knowledge on production is missing	
120513	Heat & Mass Transfer	Dr M.K Gaur	2.69	2.43	2.28	1.96	2.02	1.80	2.12	2.14	1.96	2.01	2.00	2.13	2.23	2.20	2.03	2.00	2.00	2.06	2	NIL		
120519	Data Science	Prof Ajay Rajput	2.39	2.19	2.43	2.56	2.08	2.27	2.38	2.04	1.92	1.92	1.93	1.94	2.38	2.07	2.02	2.05	1.96	2.01	2	CO5	Needed to include practical session on scientific tools	
120515	Machine Design	Mr S. Aggarwal	2.18	2.21	2.42	2.24	2.37	2.54	2.33	2.16	2.00	2.15	2.75	1.95	2.30	2.17	2.08	2.17	2.67	2.07	2	NIL		
120516	Minor Project-I	Prof. V. Chaturvedi	2.58	2.27	2.12	2.29	2.19	2.43	2.43	2.30	2.49	2.19	1.98	1.99	2.46	2.29	2.42	2.21	2.02	2.08	2	NIL		
120518	Summer Internship Project-II	Prof. V. Chaturvedi	2.29	2.38	2.35	2.20	1.87	1.80	2.15	2.22	2.25	2.51	1.88	2.10	2.18	2.25	2.27	2.45	1.88	2.04	2	CO5	Prior knowledge on production is missing	
120517	Self-learning/Presentation	Dr Harbhajan Singh	2.29	2.33	2.04	2.49	2.19	2.50	2.65	2.66	2.65	2.68	1.95	1.94	2.58	2.59	2.52	2.64	2.00	2.05	2	CO5	More practice of numerical required	
MAC	Disaster Management	Dr R.K Ranjan	2.40	2.57	2.30	2.13	2.17	1.80	2.67	2.71	2.65	2.73	2.15	2.39	2.61	2.68	2.58	2.61	2.16	2.27	2	NIL		
100005	Project Management and Financing	Prof. V. Chaturvedi	2.32	2.33	2.06	2.12	2.39	2.05	2.76	2.76	2.77	2.76	2.13	2.22	2.68	2.68	2.62	2.63	2.18	2.19	2	NIL		
120514(P)	Thermal engineering lab	Dr Ashish Aggarwal	2.68	2.43	2.29	2.26	1.96	1.74	2.06	2.05	2.22	1.96	2.38	2.42	2.18	2.13	2.23	2.02	2.30	2.28	2	NIL		
120513(P)	Heat & Mass Transfer lab	Dr M.K Gaur	2.29	2.11	2.38	2.00	2.37	2.38	2.54	2.43	2.49	2.50	2.20	2.07	2.49	2.37	2.47	2.40	2.24	2.13	2	NIL		
120519(P)	Data Science lab	Prof Ajay Rajput	2.38	2.34	2.30	2.35	1.92	2.37	2.06	2.05	2.24	2.13	2.83	2.45	2.12	2.10	2.25	2.17	2.65	2.43	2	NIL		
120515(P)	Machine Design lab	Mr S. Aggarwal	2.02	2.58	2.00	1.80	1.92	2.37	2.49	2.35	2.44	2.43	2.12	2.14	2.39	2.40	2.35	2.30	2.08	2.18	2	NIL		

7th Semester Mechanical Engg. (B. Tech) Coordinator: Dr. Surendra Chorasaya			Indirect CO Attainment (Through Feedback)						Direct CO Attainment (Through Exams)						Total CO Attainment (20% Indirect + 80% Direct)						Target Level	COs not attained	Action Taken	SIGNATURE OF FACULTY
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	Mr B.K Pandey	2.23	2.26	2.27	2.41	2.03	2.00	2.62	2.88	2.69	1.99	2.20	1.92	2.54	2.76	2.60	2.07	2.17	1.93	2	CO6	Lack of options available in core field needed to address	
120713	Metrology, Measurement and Control	Dr S.K. Chourasiya	2.15	2.39	2.02	2.13	1.96	1.92	2.19	2.28	2.18	2.32	2.22	2.23	2.18	2.30	2.15	2.28	2.16	2.16	2	NIL		
120714	TQM	Dr Harbhajan Singh	2.13	2.22	1.91	2.28	1.94	2.13	2.39	2.38	2.41	2.41	2.59	2.47	2.34	2.34	2.31	2.38	2.46	2.40	2	NIL		
100008	Intellectual Property Rights	Dr R.K Ranjan	2.38	2.42	2.34	2.36	1.97	1.95	2.53	2.53	2.58	2.58	2.54	2.52	2.50	2.51	2.54	2.54	2.42	2.41	2	NIL		
120705	Reliability and Vibration Lab	Dr Nitin Upadhyay	2.22	2.30	2.08	2.02	1.99	2.20	2.19	2.20	2.15	2.17	2.16	2.17	2.20	2.22	2.14	2.14	2.13	2.18	2	NIL		
120706	Summer Internship Project - III		2.07	2.46	2.18	2.02	1.90	1.92	2.73	2.74	2.73	2.74	2.71	2.73	2.60	2.68	2.62	2.59	2.54	2.57	2	NIL		
120707	Creative Problem Solving	Dr Neeraj Mishra	2.42	2.55	2.62	2.64	2.38	1.88	2.77	2.77	2.78	2.77	2.77	2.77	2.70	2.73	2.75	2.75	2.70	2.59	2	NIL		
900203	Industrial Automation	Dr Neeraj Mishra	2.10	2.24	2.22	2.07	1.99	2.10	2.78	2.78	2.78	2.78	2.78	2.78	2.64	2.67	2.67	2.64	2.62	2.64	2	NIL		
900204	Solar Energy	Dr. RavikantRanjan	2.41	2.03	2.38	2.58	2.15	2.39	2.77	2.77	2.78	2.78	2.78	2.78	2.70	2.62	2.70	2.74	2.66	2.70	2	NIL		
900214	Engineering Materials for Industrial Applications	Dr Surendra chourasiya	2.52	2.53	2.58	2.52	2.13	2.22	2.65	2.63	2.58	2.66	2.59	2.66	2.62	2.61	2.58	2.63	2.50	2.57	2	NIL		
900215	Maintenance Engineering	Dr Gavendra Norkey	2.21	2.23	2.19	2.16	2.38	2.42	2.79	2.79	2.79	2.80	2.79	2.79	2.68	2.68	2.67	2.67	2.71	2.72	2	NIL		