माधव प्रौद्योगिकी एवं विज्ञान संस्थान, ग्वालियर
MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR
Deemed to be University
(Declared under Distinct Category by Ministry of Education, Government of India)
NAAC ACCREDITED WITH A++ Grade
Gola Ka Mandir, Gwalior (M.P.)– 474005, INDIA
Ph.:+91–751-2409300, E-mail: director@mitsgwalior.in, Website: www.mitsgwalior.in

Department of Engineering Mathematics & Computing
Co Attainment & Gap Analysis
Jan. – June- 2025
(II, IV, VI & VIII Sem.)

Name of faculty	Subject & Code	CO's	CO Attainment by Direct Assessment Tools					Direct CO Attainment	Indirect CO Attainment	Total CO Attainment	Target	Gap	Action Taken for Not Attained COs
			Minor 1	Minor 2	Quiz	Assignment	Major						
Dr. Devanshu Tiwari	Object Oriented Programming & Methodology & (25241201)	CO1	2.10		2.39	2.78	2.31	2.40	2.71	2.46	2.3	-	
		CO2	2.91		2.29	2.56	2.54	2.58	2.06	2.47	2.3	-	
		CO3		2.18	2.13	2.73	2.65	2.42	2.93	2.52	2.3	-	
		CO4		2.72	2.25	2.45	2.67	2.52	2.06	2.43	2.3	-	
		CO5			2.45	2.44	2.74	2.54	2.86	2.61	2.3	-	
Dr. Monica Chauhan Bhadoriya	Data Structures (25241202)	CO1	2.94		2.10	2.58	2.57	2.55	2.55	2.55	2.3	-	
		CO2	2.32		2.39	2.65	2.95	2.58	2.86	2.63	2.3	-	
		CO3		2.87	2.76	2.99	2.73	2.84	2.20	2.71	2.3	-	
		CO4		2.53	2.10	2.04	2.81	2.37	2.55	2.41	2.3	-	
		CO5			2.83	2.34	2.72	2.63	2.60	2.62	2.3	-	
Dr. JK Muthele	Numerical Techniques (25241203)	CO1	2.27		2.15	2.59	2.06	2.27	2.22	2.26	2.3	0.04	1. Remedial Classes, 2. Assignment
		CO2	2.89		2.24	2.34	2.84	2.58	2.89	2.64	2.3	-	
		CO3		2.63	2.52	2.50	2.58	2.56	2.28	2.50	2.3	-	
		CO4		2.18	2.63	2.88	2.77	2.62	2.87	2.67	2.3	-	
		CO5			2.33	2.78	2.39	2.50	2.34	2.47	2.3	-	
Dr. Charu Goyal	Computer Organization & Architecture (25241204)	CO1	2.17		2.42	2.22	2.00	2.20	2.33	2.23	2.3	0.07	1. Remedial Classes, 2. Assignment
		CO2	2.02		2.98	2.58	2.81	2.60	2.57	2.59	2.3	-	
		CO3		2.55	2.07	2.51	2.31	2.36	2.74	2.44	2.3	-	
		CO4		2.13	2.26	2.84	2.85	2.52	2.98	2.61	2.3	-	
		CO5			2.17	2.87	2.88	2.64	2.00	2.51	2.3	-	
yy a C ha	ar Al ge br a (2 52 41	CO1	2.32		2.40	2.93	2.70	2.59	2.67	2.60	2.3	-	

माधव प्रौद्योगिकी एवं विज्ञान संस्थान, ग्वालियर
MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR
Deemed to be University
(Declared under Distinct Category by Ministry of Education, Government of India)
NAAC ACCREDITED WITH A++ Grade
Gola Ka Mandir, Gwalior (M.P.)– 474005, INDIA
Ph.:+91–751–2409300, E-mail: director@mitsgwalior.in, Website: www.mitsgwalior.in

Faculty	Subject	CO											Action
		CO2	2.26		2.51	2.74	2.38	2.47	2.30	2.44	2.3	-	
		CO3		2.75	2.63	2.29	2.05	2.43	2.55	2.45	2.3	-	
		CO4		2.72	2.68	2.46	2.58	2.61	2.57	2.60	2.3	-	
		CO5			2.21	2.23	2.96	2.47	2.46	2.47	2.3	-	
Dr. D. K. Jain	Transform and Vector Calculus (3250401)	CO1	2.88		2.73	2.59	2.42	2.66	2.67	2.66	2.3	-	
		CO2	2.46		2.26	2.00	2.94	2.42	2.51	2.43	2.3	-	
		CO3		2.25	2.60	2.61	2.67	2.53	2.99	2.62	2.3	-	
		CO4		2.21	2.22	2.61	2.64	2.42	2.96	2.53	2.3	-	
		CO5			2.24	2.14	2.26	2.21	2.65	2.30	2.3	-	
Prof. P. Sharma	Database Management Systems and SQL (3250402)	CO1	2.69		2.56	2.02	2.76	2.51	2.07	2.42	2.3	-	
		CO2	2.71		2.81	2.21	2.08	2.45	2.87	2.54	2.3	-	
		CO3		2.44	2.05	2.80	2.63	2.48	2.78	2.54	2.3	-	
		CO4		2.99	2.50	2.43	2.69	2.65	2.87	2.70	2.3	-	
		CO5			2.90	2.55	2.82	2.76	2.34	2.67	2.3	-	
Dr. Abhishek Dixit	Theory of Computation (3250403)	CO1	2.73		2.71	2.76	2.99	2.80	2.92	2.82	2.3	-	
		CO2	2.46		2.21	2.73	2.72	2.53	2.81	2.59	2.3	-	
		CO3		2.19	2.83	2.45	2.76	2.56	2.27	2.50	2.3	-	
		CO4		2.55	2.60	2.49	2.52	2.54	2.26	2.48	2.3	-	
		CO5			2.77	2.41	2.83	2.67	2.72	2.68	2.3	-	
Prof. Utkarsh Sharma	Design and Analysis of Algorithms (3250404)	CO1	2.76		2.15	2.68	2.39	2.50	2.39	2.47	2.3	-	
		CO2	2.36		2.27	2.11	2.99	2.43	2.18	2.38	2.3	-	
		CO3		2.10	2.20	2.09	2.28	2.17	2.40	2.21	2.3	0.09	1. Remedial Classes, 2. Assignment
		CO4		2.91	2.34	2.12	2.77	2.54	2.28	2.48	2.3	-	
		CO5			2.33	2.81	2.30	2.48	2.31	2.45	2.3	-	
Dr. A. K.Ray	Number Theory and Cryptography (3250405)	CO1	2.03		2.25	2.73	2.28	2.32	2.83	2.42	2.3	-	
		CO2	2.67		2.31	2.85	2.04	2.47	2.03	2.38	2.3	-	
		CO3		2.79	2.46	2.20	2.50	2.49	2.75	2.54	2.3	-	
		CO4		2.37	2.46	2.76	2.27	2.47	2.00	2.37	2.3	-	
		CO5			2.47	2.13	2.71	2.44	2.14	2.38	2.3	-	
Dr. Charu Goyal	Computer Graphics (2250601)	CO1	2.43		2.30	2.13	2.57	2.36	2.85	2.46	2.3	-	
		CO2	2.25		2.39	2.46	2.02	2.28	2.92	2.41	2.3	-	
		CO3		2.12	2.19	2.92	2.98	2.55	2.38	2.52	2.3	-	
		CO4		2.15	2.56	2.67	2.10	2.37	2.85	2.47	2.3	-	

माधव प्रौद्योगिकी एवं विज्ञान संस्थान, ग्वालियर
MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR
Deemed to be University
(Declared under Distinct Category by Ministry of Education, Government of India)
NAAC ACCREDITED WITH A++ Grade
Gola Ka Mandir, Gwalior (M.P.)– 474005, INDIA
Ph.:+91–751–2409300, E–mail: director@mitsgwalior.in, Website: www.mitsgwalior.in

Faculty	Subject	CO											Remark
		CO5			2.80	2.45	2.28	2.51	2.59	2.53	2.3	-	
Prof. Manali Singh	Compiler Design (2250602)	CO1	2.72		2.52	2.35	2.66	2.56	2.18	2.49	2.3	-	
		CO2	2.87		2.91	2.31	2.67	2.69	2.00	2.55	2.3	-	
		CO3		2.51	2.94	2.18	2.74	2.59	2.17	2.51	2.3	-	
		CO4		2.25	2.55	2.30	2.89	2.50	2.50	2.50	2.3	-	
		CO5			2.18	2.00	2.37	2.18	2.74	2.29	2.3	0.01	1. Remedial Classes, 2. Assignment
Prof. Utkarsh Sharma	Artificial Intelligence & Machine Learning (2250603)	CO1	2.74		2.88	2.06	2.41	2.52	2.34	2.49	2.3	-	
		CO2	2.01		2.26	2.72	2.79	2.45	2.89	2.53	2.3	-	
		CO3		2.68	2.74	2.99	2.96	2.84	2.36	2.75	2.3	-	
		CO4		2.18	2.94	2.19	2.65	2.49	2.83	2.56	2.3	-	
		CO5			2.50	2.67	2.90	2.69	2.58	2.67	2.3	-	

Dr. J. K. Muthele
(OBE- Coordinator)

Dr.DK Jain
(Prof. and Head)