



Department of Engineering Mathematics & Computing
Co Attainment & Gap Analysis
July- Dec. -2024
(I, III, V & VII Sem.)

Name of Faculty	Course Name & Code	Branch & Code	Course Outcomes	CO Attainment by Direct Assessment Tools					CO Attainment %					CO Attainment	
				Minor 1	Minor 2	Quiz	Assignment	Major	Direct	Indirect	Overall	Target	Gap in Attainment %	Status	Action Taken for Not Attained COs
Dr. Devapanshu Tiwari	Introduction to Computing	MAC-25241110 1 (A & B)	CO-1	2.60	2.25	2.68	2.46	2.05	2.06	2.52	2.15	2.20	0.05	Not Attained	1. Remedial Classes, 2. Assignment
			CO-2	2.46	2.85	2.17	2.18	2.21	2.47	2.72	2.52	2.20	-0.32	Attained	Archived
			CO-3	2.01	2.60	2.50	2.76	2.08	2.06	2.83	2.21	2.20	-0.01	Attained	Archived
			CO-4	2.53	2.73	2.20	2.97	2.41	2.79	2.60	2.75	2.20	-0.55	Attained	Archived
			CO-5	2.91	2.52	2.62	2.44	2.53	2.19	2.85	2.32	2.20	-0.12	Attained	Archived
Prof. P. Sharma	Computer Programming	MAC-25241110 2 (A & B)	CO-1	2.32	2.50	2.95	2.21	2.09	2.20	2.64	2.29	2.20	-0.09	Attained	Archived
			CO-2	2.44	2.17	2.99	2.75	2.50	2.18	2.83	2.31	2.20	-0.11	Attained	Archived
			CO-3	2.77	2.99	2.91	2.36	2.90	2.47	2.82	2.54	2.20	-0.34	Attained	Archived
			CO-4	2.58	2.75	2.12	2.89	2.72	2.49	2.12	2.42	2.20	-0.22	Attained	Archived
			CO-5	2.09	2.52	2.25	2.89	2.19	2.61	2.48	2.58	2.20	-0.38	Attained	Archived
Dr. Minakshi	Advanced Calculus	MAC-25241110 3(A & B)	CO-1	2.89	2.41	2.63	2.49	2.12	2.42	2.24	2.38	2.20	-0.18	Attained	Archived
			CO-2	2.10	2.10	2.36	2.05	2.63	2.92	2.25	2.79	2.20	-0.59	Attained	Archived
			CO-3	2.12	2.69	2.46	2.04	2.17	2.82	2.62	2.78	2.20	-0.58	Attained	Archived
			CO-4	2.75	2.87	2.65	2.54	2.73	2.21	2.77	2.32	2.20	-0.12	Attained	Archived
			CO-5	2.85	2.74	2.09	2.30	2.88	2.01	2.93	2.19	2.20	0.01	Not Attained	1. Remedial Classes, 2. Assignment
Dr. Abhishek Dixit	Digital Logic Design	MAC-25241110 4(A & B)	CO-1	2.84	2.50	2.91	2.47	2.98	2.75	2.66	2.73	2.20	-0.53	Attained	Archived
			CO-2	2.89	2.97	2.74	2.12	2.40	2.95	2.81	2.92	2.20	-0.72	Attained	Archived
			CO-3	2.55	2.94	2.62	2.08	2.44	2.49	2.55	2.50	2.20	-0.30	Attained	Archived
			CO-4	2.96	2.61	2.19	2.71	2.86	2.30	2.37	2.31	2.20	-0.11	Attained	Archived
			CO-5	2.17	2.87	2.60	2.13	2.04	2.77	2.48	2.71	2.20	-0.51	Attained	Archived
Dr. JK Muthale	Differential Equation	MAC-25241110 5 (A & B)	CO-1	2.09	2.78	2.74	2.19	2.87	2.89	2.92	2.90	2.20	-0.70	Attained	Archived
			CO-2	2.60	2.19	2.60	2.68	2.43	2.87	2.67	2.83	2.20	-0.63	Attained	Archived
			CO-3	2.79	2.34	2.53	2.79	2.26	2.74	2.87	2.77	2.20	-0.57	Attained	Archived



Dr. A. K. Ray	Stochastics Process & Mathematics	3250321	CO-4	2.16	2.22	2.49	2.16	2.30	2.68	2.79	2.70	2.20	-0.50	Attained	Archived
			CO-5	2.14	2.21	2.60	2.86	2.16	2.52	2.46	2.51	2.20	-0.31	Attained	Archived
			CO-1	2.10	2.44	2.37	2.56	2.54	2.74	2.61	2.71	2.20	-0.51	Attained	Archived
			CO-2	2.70	2.31	2.87	2.20	2.48	2.18	2.18	2.18	2.20	0.02	Not Attained	1. Remedial Classes, 2. Assignment
			CO-3	2.13	2.71	2.28	2.52	2.76	2.27	2.26	2.27	2.20	-0.07	Attained	Archived
			CO-4	2.58	2.60	2.36	2.76	2.07	2.98	2.46	2.88	2.20	-0.68	Attained	Archived
Dr. D. K. Jain	Discrete Mathematical Structure	3250322	CO-1	2.62	2.58	2.56	2.29	2.79	2.06	2.81	2.21	2.20	-0.01	Attained	Archived
			CO-2	2.34	2.05	2.65	2.23	2.77	2.44	2.14	2.38	2.20	-0.18	Attained	Archived
			CO-3	2.19	2.75	2.20	2.46	2.21	2.64	2.41	2.59	2.20	-0.39	Attained	Archived
			CO-4	2.49	2.53	2.18	2.80	2.03	2.67	2.13	2.56	2.20	-0.36	Attained	Archived
			CO-5	2.46	2.80	2.21	2.20	2.66	2.17	2.23	2.18	2.20	0.02	Not Attained	1. Remedial Classes, 2. Assignment
Prof. Manali Singh	Operating System Concepts	3250323	CO-1	2.07	2.76	2.66	2.45	2.69	2.10	2.47	2.17	2.20	0.03	Not Attained	1. Remedial Classes, 2. Assignment
			CO-2	2.79	2.62	2.89	2.39	2.58	2.70	2.50	2.66	2.20	-0.46	Attained	Archived
			CO-3	2.38	2.12	2.11	2.06	2.52	2.90	2.60	2.84	2.20	-0.64	Attained	Archived
			CO-4	2.05	2.63	2.23	2.39	2.75	2.47	2.56	2.49	2.20	-0.29	Attained	Archived
			CO-5	2.91	2.18	2.43	2.43	2.15	2.22	2.54	2.28	2.20	-0.08	Attained	Archived
Prof. P. Sharma	Data Structure and Algorithm	3250224	CO-1	2.39	2.35	2.71	2.87	2.46	2.91	2.90	2.91	2.20	-0.71	Attained	Archived
			CO-2	2.65	2.06	2.56	2.15	2.33	2.67	2.36	2.61	2.20	-0.41	Attained	Archived
			CO-3	2.10	2.89	2.87	2.24	2.78	2.99	2.33	2.86	2.20	-0.66	Attained	Archived
			CO-4	2.33	2.29	2.15	2.65	2.15	2.53	2.72	2.57	2.20	-0.37	Attained	Archived
			CO-5	2.62	2.19	2.09	2.28	2.26	2.29	2.41	2.31	2.20	-0.11	Attained	Archived
Dr. J. K. Muthale	Numerical Technique	3250325	CO-1	2.28	2.32	2.49	2.49	2.06	2.26	2.85	2.38	2.20	-0.18	Attained	Archived
			CO-2	2.79	2.78	2.24	2.02	2.95	2.98	2.29	2.84	2.20	-0.64	Attained	Archived
			CO-3	2.83	2.33	2.17	2.79	2.40	2.58	2.18	2.50	2.20	-0.30	Attained	Archived
			CO-4	2.31	2.19	2.98	2.71	2.09	2.28	2.71	2.37	2.20	-0.17	Attained	Archived
			CO-5	2.15	2.16	2.24	2.23	2.28	2.02	2.49	2.11	2.20	0.09	Not Attained	1. Remedial Classes, 2. Assignment
Prof. Utkarsh Sharma	Computer Networks	2250521	CO-1	2.49	2.96	2.26	2.29	2.66	2.65	2.81	2.68	2.20	-0.48	Attained	Archived
			CO-2	2.73	2.91	2.29	2.75	2.12	2.00	2.11	2.02	2.20	0.18	Not Attained	1. Remedial Classes,



														2. Assignment	
			CO-3	2.95	2.24	2.07	2.89	2.24	2.72	2.70	2.72	2.20	-0.52	Attained	Archived
			CO-4	2.32	2.88	2.54	2.46	2.15	2.02	2.15	2.05	2.20	0.15	Not Attained	1. Remedial Classes, 2. Assignment
			CO-5	2.07	2.76	2.09	2.14	2.29	2.88	2.19	2.74	2.20	-0.54	Attained	Archived
Dr. Divya Chaturvedi	Real and Complex Analysis	2250522	CO-1	2.83	2.68	2.18	2.98	2.54	2.19	2.97	2.35	2.20	-0.15	Attained	Archived
			CO-2	2.75	2.88	2.25	2.86	2.61	2.53	2.63	2.55	2.20	-0.35	Attained	Archived
			CO-3	2.05	2.50	2.06	2.62	2.31	2.85	2.88	2.86	2.20	-0.66	Attained	Archived
			CO-4	2.33	2.49	2.42	2.66	2.74	2.54	2.45	2.52	2.20	-0.32	Attained	Archived
			CO-5	2.02	2.02	2.86	2.65	2.07	2.22	2.35	2.25	2.20	-0.05	Attained	Archived
Dr. Saumil Maheshwari	Software Engineering	2250523	CO-1	2.64	2.76	2.77	2.27	2.64	2.33	2.82	2.43	2.20	-0.23	Attained	Archived
			CO-2	2.73	2.10	2.24	2.06	2.62	2.58	2.64	2.59	2.20	-0.39	Attained	Archived
			CO-3	2.07	2.75	2.08	2.67	2.88	2.44	2.57	2.47	2.20	-0.27	Attained	Archived
			CO-4	2.91	2.83	2.18	2.25	2.23	2.93	2.40	2.82	2.20	-0.62	Attained	Archived
			CO-5	2.81	2.91	2.00	2.63	2.06	2.40	2.42	2.40	2.20	-0.20	Attained	Archived
Prof. Manali Singh	Data Science using Python	2250524	CO-1	2.23	2.60	2.97	2.83	2.54	2.51	2.94	2.60	2.20	-0.40	Attained	Archived
			CO-2	2.20	2.12	2.31	2.32	2.82	2.37	2.68	2.43	2.20	-0.23	Attained	Archived
			CO-3	2.05	2.52	2.56	2.38	2.36	2.13	2.72	2.25	2.20	-0.05	Attained	Archived
			CO-4	2.60	2.00	2.92	2.19	2.64	2.86	2.50	2.79	2.20	-0.59	Attained	Archived
			CO-5	2.21	2.88	2.69	2.07	2.88	2.67	2.21	2.58	2.20	-0.38	Attained	Archived
Dr. V.P. Shinde	Optimization Techniques	2250525	CO-1	2.07	2.72	2.39	2.07	2.44	2.77	2.58	2.73	2.20	-0.53	Attained	Archived
			CO-2	2.04	2.57	2.79	2.53	2.83	2.15	2.22	2.16	2.20	0.04	Not Attained	1. Remedial Classes, 2. Assignment
			CO-3	2.13	2.43	2.10	2.85	2.21	2.79	2.16	2.66	2.20	-0.46	Attained	Archived
			CO-4	2.30	2.45	2.69	2.48	2.43	2.66	2.09	2.55	2.20	-0.35	Attained	Archived
			CO-5	2.16	2.95	2.21	2.02	2.65	2.30	2.44	2.33	2.20	-0.13	Attained	Archived
Dr. V.P. Shinde	Engineering Reliability	250731	CO-1	2.12	2.75	2.62	2.84	2.39	2.95	2.74	2.91	2.20	-0.71	Attained	Archived
			CO-2	2.94	2.94	2.91	2.82	2.74	2.72	2.79	2.73	2.20	-0.53	Attained	Archived
			CO-3	2.88	2.53	2.88	2.25	2.89	2.29	2.93	2.42	2.20	-0.22	Attained	Archived
			CO-4	2.50	2.63	2.88	2.85	2.27	2.97	2.91	2.96	2.20	-0.76	Attained	Archived
			CO-5	2.47	2.05	2.58	2.09	2.30	2.35	2.79	2.44	2.20	-0.24	Attained	Archived
Prof. Utkarsh Sharma	Distributed Computing	250732	CO-1	2.79	2.90	2.86	2.32	2.32	2.61	2.79	2.65	2.20	-0.45	Attained	Archived
			CO-2	2.65	2.21	2.46	2.49	2.38	2.43	2.94	2.53	2.20	-0.33	Attained	Archived
			CO-3	2.97	2.24	2.36	2.17	2.89	2.78	2.07	2.64	2.20	-0.44	Attained	Archived



			CO-4	2.90	2.26	2.07	2.55	2.98	2.22	2.55	2.29	2.20	-0.09	Attained	Archived
			CO-5	2.95	2.39	2.14	2.07	2.98	2.76	2.48	2.70	2.20	-0.50	Attained	Archived

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Dr. J. K. Muthale
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(Prof. and Head)