

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal, MP)

CIVIL ENGINEERING DEPARTMENT

Course Outcomes Attainment (July-Dec 2019)

Course Code & Name	Course Outcomes	Direct CO Attainment %	Indirect CO Attainment %	Overall CO Attainment %	Target Attainment %	Gap in Attainment %	Status of CO Attainment	Action Taken
100205: Basic Civil Engineering & Mechanics (CSE)	CO 1	92.4	83.77	90.67	65	-25.67	Attained	
	CO 2	76.4	80.48	77.22	65	-12.22	Attained	
	CO 3	77.8	82.46	78.73	65	-13.73	Attained	
	CO 4	69.4	80.92	71.70	65	-6.70	Attained	
	CO 5	85.2	79.17	83.99	65	-18.99	Attained	
100205: Basic Civil Engineering & Mechanics (EC)	CO 1	94.2	83.33	92.03	65	-27.03	Attained	
	CO 2	88.2	79.59	86.48	65	-21.48	Attained	
	CO 3	87.8	81.63	86.57	65	-21.57	Attained	
	CO 4	76	81.63	77.13	65	-12.13	Attained	
	CO 5	66.8	84.35	70.31	65	-5.31	Attained	
100205: Basic Civil Engineering & Mechanics (EE)	CO 1	73.2	86.67	75.89	65	-10.89	Attained	
	CO 2	90.6	89.07	90.29	65	-25.29	Attained	
	CO 3	87.8	87.41	87.72	65	-22.72	Attained	
	CO 4	71.8	87.96	75.03	65	-10.03	Attained	
	CO 5	74.8	88.70	77.58	65	-12.58	Attained	
100205: Basic Civil Engineering & Mechanics (ET)	CO 1	82.142857	71.97	80.11	65	-15.11	Attained	
	CO 2	82.34127	74.24	80.72	65	-15.72	Attained	
	CO 3	81.746032	71.97	79.79	65	-14.79	Attained	
	CO 4	81.547619	71.21	79.48	65	-14.48	Attained	
	CO 5	80.357143	76.52	79.59	65	-14.59	Attained	
100205: Basic Civil	CO 1	88.8	82.14	87.47	65	-22.47	Attained	

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Engineering & Mechanics (IT)	CO 2	87.4	82.34	86.39	65	-21.39	Attained
	CO 3	79.4	81.75	79.87	65	-14.87	Attained
	CO 4	70.4	81.55	72.63	65	-7.63	Attained
	CO 5	63.6	80.36	66.95	65	-1.95	Attained
110302: Building Planning & Design	CO 1	52.8	86.140351	59.47	65	5.53	Not Attained
	CO 2	61.2	87.017544	66.36	65	-1.36	Attained
	CO 3	64.8	86.666667	69.17	65	-4.17	Attained
	CO 4	48.8	85.438596	56.13	65	8.87	Not Attained
	CO 5	76	85.438596	77.89	65	-12.89	Attained
110303: Building Material & Construction	CO 1	76.6	85.11	78.30	65	-13.30	Attained
	CO 2	56.4	84.75	62.07	65	2.93	Not Attained
	CO 3	65.0	83.51	68.70	65	-3.70	Attained
	CO 4	57.0	83.16	62.23	65	2.77	Not Attained
	CO 5	78.2	84.22	79.40	65	-14.40	Attained
110304: Surveying	CO 1	81.8	87.588652	82.96	65	-17.96	Attained
	CO 2	74.8	84.219858	76.68	65	-11.68	Attained
	CO 3	55.2	82.446809	60.65	65	4.35	Not Attained
	CO 4	67.2	84.751773	70.71	65	-5.71	Attained
	CO 5	55.8	81.914894	61.02	65	3.98	Not Attained
110305: Strength of Materials	CO 1	81.8	85.164835	82.47	65	-17.47	Attained
	CO 2	83.8	82.783883	83.60	65	-18.60	Attained
	CO 3	88.4	84.249084	87.57	65	-22.57	Attained
	CO 4	79	84.798535	80.16	65	-15.16	Attained
	CO 5	62.4	85.531136	67.03	65	-2.03	Attained
110501: Estimating,	CO 1	78.8	79.166667	78.87	65	-13.87	Attained

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Costing & Contracting	CO 2	46.4	76.944444	52.51	65	12.49	Not Attained
	CO 3	56	79.166667	60.63	65	4.37	Not Attained
	CO 4	47.8	79.166667	54.07	65	10.93	Not Attained
	CO 5	67.6	78.611111	69.80	65	-4.80	Attained
110502: Structural Design & Drawing (R.C.C.)	CO 1	68.2	76.111111	69.78	65	-4.78	Attained
	CO 2	56.2	79.722222	60.90	65	4.10	Not Attained
	CO 3	61.6	75	64.28	65	0.72	Not Attained
	CO 4	39.2	78.611111	47.08	65	17.92	Not Attained
	CO 5	75.8	77.5	76.14	65	-11.14	Attained
110503: Fluid Mechanics-II	CO 1	67.4	81.666667	70.25	65	-5.25	Attained
	CO 2	75	78.888889	75.78	65	-10.78	Attained
	CO 3	65.2	79.444444	68.05	65	-3.05	Attained
	CO 4	55.8	80	60.64	65	4.36	Not Attained
	CO 5	50.6	79.722222	56.42	65	8.58	Not Attained
110504: Environmental Engineering I	CO 1	67.4	81.666667	70.25	65	-5.25	Attained
	CO 2	56.6	81.111111	61.50	65	3.50	Not Attained
	CO 3	64.6	81.666667	68.01	65	-3.01	Attained
	CO 4	66.8	80.277778	69.50	65	-4.50	Attained
	CO 5	35	81.111111	44.22	65	20.78	Not Attained
110505: Transportation Engineering	CO 1	69.6	86.904762	73.06	65	-8.06	Attained
	CO 2	68.8	84.52381	71.94	65	-6.94	Attained
	CO 3	62.4	82.738095	66.47	65	-1.47	Attained
	CO 4	66.2	83.630952	69.69	65	-4.69	Attained
	CO 5	50.8	82.738095	57.19	65	7.81	Not Attained
BCEL – 701:	CO 1	85.8	84.67433	85.57	65	-20.57	Attained

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Geotechnical Engineering – II	CO 2	63.2	85.823755	67.72	65	-2.72	Attained
	CO 3	65.6	82.375479	68.96	65	-3.96	Attained
	CO 4	61.2	83.908046	65.74	65	-0.74	Attained
	CO 5	47.6	83.333333	54.75	65	10.25	Not Attained
BCEL – 702: Environmental Engineering – II	CO 1	76.8	87.896825	79.02	65	-14.02	Attained
	CO 2	82.4	85.912698	83.10	65	-18.10	Attained
	CO 3	61.4	86.904762	66.50	65	-1.50	Attained
	CO 4	57.4	85.912698	63.10	65	1.90	Not Attained
	CO 5	57	83.928571	62.39	65	2.61	Not Attained
BCEL – 703: Advanced Structural Design- I (RCC)	CO 1	65.2	84.302326	69.02	65	-4.02	Attained
	CO 2	38.4	84.689922	47.66	65	17.34	Not Attained
	CO 3	66.2	84.496124	69.86	65	-4.86	Attained
	CO 4	51.8	83.527132	58.15	65	6.85	Not Attained
	CO 5	70.8	81.976744	73.04	65	-8.04	Attained
BCEL – 704: Railway Bridge and Tunnel Engineering	CO 1	91.2	85.912698	90.14	65	-25.14	Attained
	CO 2	92.8	86.309524	91.50	65	-26.50	Attained
	CO 3	69.4	84.52381	72.42	65	-7.42	Attained
	CO 4	84.2	84.325397	84.23	65	-19.23	Attained
	CO 5	88.4	86.111111	87.94	65	-22.94	Attained
BCEL – 705: Irrigation Engineering	CO 1	88.4	86.24	87.97	65	-22.97	Attained
	CO 2	72.4	86.24	75.17	65	-10.17	Attained
	CO 3	52.6	84.88	59.06	65	5.94	Not Attained
	CO 4	51	82.75	57.35	65	7.65	Not Attained
	CO 5	53.6	83.91	59.66	65	5.34	Not Attained