

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR (M.P.)

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

Department of Electronics Engineering

CO Attainment (Direct & Indirect) & Gap Analysis (Jan - June 2021)

Semester	Course	CO	Direct CO Attainment	Indirect CO Attainment (using feedback)	Total CO Attainment (in %)	CO Attainments in terms of levels	Action taken
II	140211/ 200211 Electronics Devices	CO1	81.53	85.37	82.30	3	Level of Quiz. Assignment, midsem and endsem should be improved
		CO2	88.21	79.67	86.50	3	Higher order thinking questions can be included in the assignments
		CO3	75.8	81.3	76.90	3	More numericals can be added in assignments
		CO4	74.51	75.61	74.73	3	More tutorials can be given
		CO5	73.58	74.8	73.82	3	More tutorials can be given
	140212/ 200212 Engineering Materials	CO1	81.16	88.33	82.59	3	Level of Quiz. Assignment, midsem and endsem should be improved
		CO2	89.49	81.67	87.93	3	Higher order thinking questions can be included in the assignments
		CO3	87.35	86.67	87.21	3	Higher order thinking questions can be included in the assignments
		CO4	90.04	81.67	88.37	3	Higher order thinking

							questions can be included in the assignments
		CO5	81	80	80.80	3	Level of Quiz. Assignment, midsem and endsem should be improved
	100015/ 20015 EEES	CO1	82.13	81.2	81.94	3	Level of Quiz. Assignment, midsem and endsem should be improved
		CO2	67.91	76.8	69.69	2	More assignments should be given and solutions should be discussed
		CO3	78.27	79.7	78.56	3	More numericals can be added in assignments
		CO4	76.78	78.26	77.08	3	More numericals can be added in assignments
		CO5	83.26	73.91	81.39	3	Level of Quiz. Assignment, midsem and endsem should be improved
IV		140401/200401 Electronics-II	CO1	75.35	74.81	75.24	3
	CO2		79.2	70.16	77.39	3	More numericals can be added in assignments
	CO3		75.37	76.36	75.57	3	More numericals can be added in assignments
	CO4		78.67	70.54	77.04	3	More numericals can be added in assignments
	CO5		68.94	72.48	69.65	2	More assignments should be given and solutions should be discussed
	140402/200402 Analog Communication	CO1	85.02	71.32	82.28	3	Level of Quiz. Assignment, midsem and endsem should be improved
		CO2	87.47	70.54	84.08	3	Level of Quiz. Assignment, midsem and endsem should be improved

		CO3	86.35	69.77	83.03	3	Level of Quiz. Assignment, midsem and endsem should be improved
		CO4	91.04	68.99	86.63	3	Higher order thinking questions can be included in the assignments
		CO5	65.26	67.44	65.70	2	More assignments should be given and solutions should be discussed
	140403/200403 Communication Networks	CO1	75.55	71.43	74.73	3	More tutorials can be given
		CO2	87.06	70.95	83.84	3	Level of Quiz. Assignment, midsem and endsem should be improved
		CO3	84.41	67.62	81.05	3	Level of Quiz. Assignment, midsem and endsem should be improved
		CO4	84.23	69.05	81.19	3	Level of Quiz. Assignment, midsem and endsem should be improved
		CO5	72.27	70.95	72.01	3	More tutorials can be given
	140404/ 200404 Electronics Measurement & Instrumentation	CO1	93.59	71.26	89.12	3	Higher order thinking questions can be included in the assignments
		CO2	90.86	70.5	86.79	3	Higher order thinking questions can be included in the assignments
		CO3	88.14	69.73	84.46	3	Level of Quiz. Assignment, midsem and endsem should be improved
		CO4	87.72	70.15	84.21	3	Level of Quiz. Assignment, midsem and endsem should be improved
		CO5	82.04	70.12	79.66	3	Higher order thinking questions can be included in

							the assignments
		CO6	80.77	67.82	78.18	3	More numericals can be added in assignments
VI	140601/200601 Microprocessor Interfacing	CO1	94.292	80.23	91.48	3	Higher order thinking questions can be included in the assignments
		CO2	96.314	77.4	92.53	3	Higher order thinking questions can be included in the assignments
		CO3	91.81	79.66	89.38	3	Higher order thinking questions can be included in the assignments
		CO4	97.436	74.58	92.86	3	Higher order thinking questions can be included in the assignments
		CO5	93.234	77.97	90.18	3	Higher order thinking questions can be included in the assignments
		CO6	94.292	75.71	90.58	3	Higher order thinking questions can be included in the assignments
	140602/200602 DSP	CO1	76.96	76.13	76.79	3	More numericals can be added in assignments
		CO2	70.4	74.32	71.18	3	More tutorials can be given
		CO3	75.22	74.32	75.04	3	More numericals can be added in assignments
		CO4	77.98	72.52	76.89	3	More numericals can be added in assignments
		CO5	90.12	72.97	86.69	3	Higher order thinking questions can be included in the assignments
	DE-1 Optical Communication	CO1	86.68	76.32	84.61	3	Level of Quiz, Assignment, midsem and endsem should be improved

		CO2	86.72	75.36	84.45	3	Level of Quiz. Assignment, midsem and endsem should be improved
		CO3	93.02	73.91	89.20	3	Higher order thinking questions can be included in the assignments
		CO4	88.54	74.39	85.71	3	Higher order thinking questions can be included in the assignments
		CO5	82.04	78.26	81.28	3	Level of Quiz. Assignment, midsem and endsem should be improved
	DE-1 Antenna	CO1	79.54	80.55	79.74	3	More numericals can be added in assignments
		CO2	92.3	77.77	89.39	3	Higher order thinking questions can be included in the assignments
		CO3	85.704	69.44	82.45	3	Level of Quiz. Assignment, midsem and endsem should be improved
		CO4	81.774	69.44	79.31	3	More numericals can be added in assignments
		CO5	68.67	72.22	69.38	2	More assignments should be given and solutions should be discussed
	DE-1 Telecommunication Switching Network	CO1	84.92	78.79	83.69	3	Level of Quiz. Assignment, midsem and endsem should be improved
		CO2	87.02	81.82	85.98	3	Higher order thinking questions can be included in the assignments
		CO3	86.35	80.3	85.14	3	Higher order thinking questions can be included in the assignments

		CO4	91.04	78.79	88.59	3	Higher order thinking questions can be included in the assignments
		CO5	82.12	77.27	81.15	3	Level of Quiz. Assignment, midsem and endsem should be improved

Total No of courses	Total number of COs	Number of COs NOT attained level 3	Percentage of COs not attained
12	62	4	7%