2.6 Student Performance and Learning Outcome

2.6.2 Attainment of Course Outcomes (COs)

Summary

The Institute of Technology and Management (ITM) uses a robust assessment process to evaluate Course Outcomes (COs) through Direct Attainment (80%) and Indirect Attainment (20%). Direct Attainment includes methods like Activity-Based Continuous Assessment Systems (ABCAS), midterms, quizzes, assignments, and end-semester exams, while Indirect Attainment is measured via surveys, such as Course Exit, Graduate Exit, Alumni, and Employer Surveys. CO attainment is calculated by combining internal assessments (40%) and external university exams (60%), with attainment levels based on the percentage of students scoring 60% or higher. Program Outcomes (POs) and Program-Specific Outcomes (PSOs) are assessed using CO-PO-PSO mapping and feedback from stakeholders, with final attainment based on 80% direct and 20% indirect methods. This ensures continuous improvement of academic programs and enhanced student learning outcomes.

MEENAKSHI MAZUMDAR
Digitally signed by MEENAKSHI MAZUMDAR
Date: 2024.09.12 18:28:48 +05'30'

Dean Academics
Institute of Technology & Management, Gwalior

Dr. Meenakshi Mazumdar
DIRECTOR
Institute of Technology & Management
Gwalior (M.P.)

GROUP OF INSTITUTIONS
GWALIOR • MP • INDIA
"THINK BIG... THINK BEYOND"

Department of Electronics & Communication Engineering

CO Attainment for Assessment Year:2019-20

S.No.	Course Name	Course Code	Target	CO Attainment
	I - Year			
1	Engineering Chemistry	BT-101	1	2.37
2	Mathematics-I	BT-102	1.2	0.527
3	English for Communication	BT-103	1.3	2.48
4	Basic Electrical & Electronics Engineering	BT-104	1.8	2.14
5	Engineering Graphics	BT-105	1.1	2.36
6	Manufacturing Practices	BT-106	2.9	2.08
7	Swachh Bharat Summer Internship Unnat Bharat Abhiyan	BT-108	2.1	2.91
8	Engineering Physics	BT-201	1.5	1.134
9	Mathematics-II	BT-202	1.7	2.05
10	Basic Mechanical Engineering	BT-203	1	1.15
11	Basic Civil Engineering & Mechanics	BT-204	1	1.15
12	Basic Computer Engineering	BT-205	1.5	1.78
13	Language Lab & Seminars	BT-206	1.5	2.725
	II-Year			
14	Mathematics-III	BT-301	1	0.87
15	Electronic Measurement & Instrumentation	EC-302	1.8	1.52
16	Digital System Design	EC-303	1.5	0.86
17	Electronic Device	EC-304	1.8	0.97
18	Network Analysis	EC-305	2	1.64
19	EMI Lab	EC-306	2.5	2.93
20	Internship-I	EC-107	1.6	2.58
21	Energy & Environmental Engineering	EC-401	1	2.37
22	Signals & Systems	EC-402	1	2.014
23	Analog Communication	EC-403	1.5	2.55
24	Control System	EC-404	1.5	2.67
25	Analog Circuits	EC-405	1.5	2.55
26	Simulation Lab	EC-406	2.91	2.78

HOD, Electronics & Communication
Institute of Technology & Management
Gwalior

GROUP OF INSTITUTIONS
GWALIOR • MP • INDIA
"THINK BIG... THINK BEYOND"

Department of Electronics & Communication Engineering

	III - Year			
27	Microprocessor & its Application	EC-501	`1.5	2.62
28	Digital Communication	EC-502	1.6	1.88
29	CNTI	EC-503	1	1.3
30	Computer System Organization	EC-504	1.6	1.87
31	CNTL Lab	EC-505	1.5	2.94
32	Matlab Programming	EC-506	1.5	2.90
33	Evaluation of Internship-II	BT-407	1.5	2.64
34	Minor Project- I	EC-508	2.7	2.90
35	Digital Signal Processing	EC-601	1.6	2.24
36	Antenna & Wave propagation	EC-602	1.5	2.62
37	Data Communication	EC-603	1.5	2.75
38	Power Electronics	EC-604	1.5	2.78
39	Data Communication Lab	EC-605	2	2.85
40	Microcontroller & Embedded system	EC-606	2	2
41	Internship-I	EC-607	1.5	2.90
42	Minor Project II	EC-608	2.72	2.92
	IV - Year			
43	Microwave Engg	EC-7001	2.1	2.74
44	Satellite Communication	EC-7002	1	1.60
45	Optical Communication	EC-7003	2.5	2.74
46	Data Communication	EC-7004	1.5	2.43
47	Wireless Communication	EC-7005	1.5	1.26
48	Major Project-I	EC-7006	2	2.99
49	Industrial Training	EC-7007	3	3.0
50	VLSI Design	EC-8001	1.5	1.33
51	Advanced Communication	EC-8002	1.5	2.45
52	Principles Management Economics	EC-8003	1	2.71
53	TV & Radar Engineering	EC-8004	2	2.76
54	Major Project-II	EC-8005	2.6	3

MEENAKSHI MAZUMDAR

Digitally signed by MEENAKSHI MAZUMDAR
Date: 2024.09.12 18:29:02 +05'30'

HOD, Electronics & Communication
Institute of Technology & Management
Gwalior