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.

Dean Academics
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CO Attainment for Assessment Year:2020-21

S.No.	Course Name	Course Code	Target	CO Attainment
	I - Year			
1	Engineering Chemistry	BT-101	1.1	2.37
2	Mathematics-I	BT-102	1.5	2.23
3	English for Communication	BT-103	1.3	2.57
4	Basic Electrical & Electronics Engineering	BT-104	2.2	2.16
5	Engineering Graphics	BT-105	1.9	0.94
6	Manufacturing Practices	BT-106	2.91	2.84
7	Swachh Bharat Summer Internship Unnat Bharat Abhiyan	BT-108	1.5	2.83
8	Engineering Physics	BT-201	1.85	2.39
9	Mathematics-II	BT-202	1.7	1.804
10	Basic Mechanical Engineering	BT-203	2	2.47
11	Basic Civil Engineering & Mechanics	BT-204	1.85	2.55
12	Basic Computer Engineering	BT-205	1.65	2.77
13	Language Lab & Seminars	BT-206	2.5	2.75
	II-Year			
14	Mathematics-III	BT-301	1.6	2.43
15	Electronic Measurement & Instrumentation	EC-302	1.5	2.49
16	Digital System Design	EC-303	1.5	2.65
17	Electronic Device	EC-304	1.5	2.19
18	Network Analysis	EC-305	1.98	2.59
19	EMI Lab	EC-306	2.5	2.53
20	Internship-I	EC-107	1.7	2.87
21	Energy & Environmental Engineering	EC-401	1	1.22
22	Signals & Systems	EC-402	2	2.53
23	Analog Communication	EC-403	1.5	2.70
24	Control System	EC-404	1.8	2.70
25	Analog Circuits	EC-405	2.2	2.46
26	Simulation Lab	EC-406	2.92	2.84

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III - Year				
27	Microprocessor & its Application	EC-501	1.5	2.65
28	Digital Communication	EC-502	1.3	2.33
29	CNTL	EC-503	1.5	2.4
30	Computer System Organization	EC-504	2.02	1.60
31	CNTL Lab	EC-505	2.5	2.98
32	Matlab Programming	EC-506	2.9	2.61
33	Evaluation of Internship-II	BT-407	1.6	2.47
34	Minor Project- I	EC-508	2.9	2.90
35	Digital Signal Processing	EC-601	2.5	2.42
36	Antenna & Wave propagation	EC-602	2.7	2.70
37	Data Communication	EC-603	1.5	2.69
38	Power Electronics	EC-604	1.5	2.67
39	Data Communication Lab	EC-605	2	2.58
40	Microcontroller & Embedded system	EC-606	2	2.16
41	Minor Project II	EC-608	2.75	2.85
IV - Year				
42	VLSI Design	EC-701	1.5	2.66
43	Microwave Engg	EC-702	1.5	2.80
44	Cellular Mobile Communication	EC-703	1.5	2.87
45	Microwave Lab	EC-704	2	2.85
46	I.O.T. Lab	EC-705	2.5	2.85
47	Major Project-I	EC-706	2.5	2.92
48	Internship-I	EC-607	1.5	2.85
49	Optical Fibre Communication	EC-801	1	2.68
50	Wireless Communication	EC-802	1.5	2.60
51	Wireless Network	EC-803	1.6	2.84
52	Advanced Communication Engg. Lab	EC-804	1.6	2.96
53	Major Project-II	EC-805	2.5	2.87

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