

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.



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CO Attainment for Assessment Year:2021-22

S.No.	Course Name	Course Code	Target	CO Attainment
I - Year				
1	Engineering Chemistry	BT-101	1.4	2.47
2	Mathematics-I	BT-102	1.4	0.527
3	English for Communication	BT-103	1.3	1.058
4	Basic Electrical & Electronics Engineering	BT-104	2.18	0.463
5	Engineering Graphics	BT-105	1	0.62
6	Manufacturing Practices	BT-106	2.9	2.95
7	Swachh Bharat Summer Internship Unnat Bharat Abhiyan	BT-108	1.5	2.426
8	Engineering Physics	BT-201	1.5	2.691
9	Mathematics-II	BT-202	1.7	0.699
10	Basic Mechanical Engineering	BT-203	1.9	2.46
11	Basic Civil Engineering & Mechanics	BT-204	1.6	0.692
12	Basic Computer Engineering	BT-205	2	2.77
13	Language Lab & Seminars	BT-206	2	0.504
II-Year				
14	Mathematics-III	BT-301	1.6	2.43
15	Electronic Measurement & Instrumentation	EC-302	2	2.62
16	Digital System Design	EC-303	1.5	2.69
17	Electronic Device	EC-304	2.2	2.32
18	Network Analysis	EC-305	2.6	2.50
19	EMI Lab	EC-306	2.5	2.75
20	Internship-I	EC-107	1.8	2.88
21	Energy & Environmental Engineering	EC-401	1	1.22
22	Signals & Systems	EC-402	2.7	2.398
23	Analog Communication	EC-403	1.5	2.31
24	Control System	EC-404	2.48	1.26
25	Analog Circuits	EC-405	1.7	1.78
26	Simulation Lab	EC-406	2.93	2.8

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III - Year				
27	Microprocessor & its Application	EC-501	2.28	2.52
28	Digital Communication	EC-502	2.33	2.26
29	CNTI	EC-503	2.42	2.4
30	Computer System Organization	EC-504	2.12	2.33
31	CNTL Lab	EC-505	2.95	2.972
32	Matlab Programming	EC-506	2.9	2.908
33	Evaluation of Internship-II	BT-407	2.72	2.74
34	Minor Project- I	EC-508	2.90	2.9
35	Digital Signal Processing	EC-601	2.416	0.8508
36	Antenna & Wave propagation	EC-602	1	1.06
37	Data Communication	EC-603	1.5	0.88
38	Power Electronics	EC-604	1	1.16
39	Data Communication Lab	EC-605	2.63	2.51
40	Microcontroller & Embedded system	EC-606	2.2	2.49
41	Minor Project II	EC-608	2.76	2.85
IV - Year				
42	VLSI Design	EC-701	2.7	2.84
43	Microwave Engg	EC-702	2.86	2.86
44	Cellular Mobile Communication	EC-703	2.74	2.89
45	Microwave Lab	EC-704	2.9	2.96
46	I.O.T. Lab	EC-705	2.51	2
47	Major Project-I	EC-706	2.5	2.93
48	Internship-I	EC-607	1.6	2.89
49	Optical Fibre Communication	EC-801	1.1	2.05
50	Wireless Communication	EC-802	1.5	1.52
51	Wireless Network	EC-803	1.34	1.34
52	Advanced Communication Engg. Lab	EC-804	1.6	3
53	Major Project-II	EC-805	2.8	2.90