



Integral University, Lucknow
Department of Mechanical Engineering
Study and Evaluation Scheme
(w.e.f. 2024-25)

Program: B . Tech.

Semester VI

S. No.	Course code	Course Title	Type of Paper	P e r			Evaluation Scheme				Max. Marks	Credit	Total Credits	Attributes						United Nations Sustainable Development Goals (SDG)
				L	T	P	CT	TA	Total	ESE				Employ ability	Entrepre neurship	Skill Develop ment	Gend er Equality	Environ ment & Sustaina bility	Human Value	
THEORIES																				
1	ME313	Internal Combustion Engines	Core	3	1	0	40	20	60	40	100	3:1:0	4	√		√				4,7,13
2	ME314	Fluid Machinery	Core	3	1	0	40	20	60	40	100	3:1:0	4	√		√				4,7,9
3	ME315	Refrigeration & Air Conditioning	Core	3	1	0	40	20	60	40	100	3:1:0	4	√	√	√				4,7,13
4		Elective-3	Elective	3	1	0	40	20	60	40	100	3:1:0	4	√	√			√		4,9,11,13
5		Elective-4	Elective	3	1	0	40	20	60	40	100	3:1:0	4	√	√	√				4,9
6		Open Elective-1	Open Elective	3	1	0	40	20	60	40	100	3:1:0	4	√		√		√		
PRACTICAL																				
7	ME324	Fluid Machinery Lab	Core	0			40	20	60	40	100	0:0:1	1	√		√				4,7,9
8	ME325	Refrigeration & Air Conditioning Lab	Core	0			40	20	60	40	100	0:0:1	1	√	√	√				4,7,13
9	ME352	Comprehensive Annual Assessment-II & Internship Evaluation	Core					100	100		100	0:0:1	1	√		√				
10	CG302	Career Development Course	Audit	2		0	0	0	0	50	50	0	0	√		√				
Total				20			320	260	580	370	950	27	27							

Departmental Elective: DE –3 (6th Semester)

1. ME316 Tribology
2. ME317 Six Sigma Methods, Approach and Applications
3. ME318 Power Plant Engineering
4. ME321 Industrial Ergonomics

Departmental Elective: DE –4 (6th Semester)

1. ME320 Advance Machine Design
2. ME322 Applied Elasticity
3. ME323 Advance Fluid Mechanics
4. ME319 Finite Element Method
5. ME331 AI in Mechanical Engineering