



Integral University, Lucknow
Department of Mechanical Engineering
Study and Evaluation Scheme
(W.e.f. session 2023-24)

Program: B . Tech.

Semester VII

S. No.	Course code	Course Title	Type of Paper	Period Per hr/week/sem			Evaluation Scheme				Max. Marks	L:T:P	Total Credits	Attributes								United Nations Sustainable Development Goals (SDGs)
				L	T	P	CT	TA	Total	ESE				Employ ability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics		
THEORIES																						
1	ME401	Industrial Engineering	Core	03	1	0	40	20	60	40	100	3:1:0	4	√	√	√					4,8,9	
2	ME402	CAD & CAM	Core	03	1	0	40	20	60	40	100	3:1:0	4	√	√	√					4,8,9	
3		DepartmentalElective-5	Elective	03	1	0	40	20	60	40	100	3:1:0	4	√	√	√		√			7,9,13	
4		DepartmentalElective-6	Elective	03	1	0	40	20	60	40	100	3:1:0	4	√	√	√					4, 7,9	
5		DepartmentalElective-7	Elective	03	1	0	40	20	60	40	100	3:1:0	4	√	√	√		√			4,7,9,13	
PRACTICAL																						
6	ME421	CAD/CAM Lab	Core	00	00	2	40	20	60	40	100	0:0:1	1	√	√	√					4,8,9	
7	ME422	I.C Engine & Automobile Engg. Lab	Core	00	00	2	40	20	60	40	100	0:0:1	1	√	√	√					4,9	
8	ME-300	Industrial Training *	Core	00	00			50	50		50	0:0:1	0	√	√	√					4,9,17	
9	ME-490	Minor Project				2	30	30	60	40	100		1	√		√		√				
10	CG401	Career Development Course	Audit	2	0	0	0	0	0	50	50	0	0	√		√						
Total				15	05	06	310	220	530	370	900	23	23									

Departmental Elective – 5

- ME403 Drilling Technology for Water, Oil and Mineral Exploration
- ME404 Total Quality Management
- ME405 Unconventional Manufacturing Process
- ME406 Energy Conservation and Waste Heat Recovery

Departmental Elective - 7

- ME407 Automobile Engineering
- ME408 Mechanical Systems Design
- ME409 Energy Management
- ME410 Mechanical Vibration

Departmental Elective - 6

- ME411 Heat Ventilation & Air Conditioning
- ME412 Engineering Materials
- ME413 Non-Destructive Testing
- ME414 Fuel & Combustion
- ME415 Computational Fluid Dynamics



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

Program: B . Tech.

Semester VIII

S. No.	Course code	Course Title	Type of Paper	Period per/hr/week/sem			Evaluation Scheme				Max. Marks	Credit	Total Credits	Attributes							United Nations Sustainable Development Goals (SDGs)
				L	T	P	CT	TA	Total	ESE				Employ ability	Entrepre neurship	Skill Develop ment	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	
THEORIES																					
1		Open Elective-2	Open Elective	03	1	0	40	20	60	40	100	3:1:0	4	√	√	√					
PRACTICAL																					
2	ME-451	Seminar	Core	0	0	3	0	100	100	0	100	0:0:2	2	√	√	√		√	√	√	
3	ME-499	B. Tech. Project	Core	0	0	0	0	60	60	40	100	0:0:4	4	√	√	√					
4	ME-499	B. Tech. Project	Core	0	0	0	0	60	60	40	100	0:0:4	4	√	√	√					
5	ME-499	B. Tech. Project	Core	0	0	0	0	60	60	40	100	0:0:4	4	√	√	√					
6	ME-452	Comprehensive Annual Assessment-III / Internship Evaluation	Core	0	0	0	0	100	100	0	100	0:0:1	1	√		√				√	
Total				3	1	3	40	400	440	160	600	19	19								