

KIET GROUP OF INSTITUTIONS
(An Autonomous Institution, Affiliated to AKTU, Lucknow, UP)

Approved by AICTE, New Delhi

Delhi-NCR, Ghaziabad-Meerut Road, Ghaziabad-201206

Mechanical Engineering (ME)

2nd Year

EVALUATION SCHEME

Effective from the Session: 2025-26

B.Tech 2nd Year (2024-2028 Batch)**B.Tech (ME) 3rd Sem**

S No.	Course Category (AICTE)	Course Category (UGC)	BOS	Course Code	Course Name	Type	Academic Learning (AL)			Continuous Internal Examination (CIE)			End Sem Examination (ESE)	Total Marks	Total Credits
							L	T	P	MSE	CA	TOTAL		CIE+ ESE	
1	BS	Major (Core)	ASH	MA201L	Statistics, & Numerical Analysis	L	3	0	0	60	15	75	75	150	3
2	PC	Major (Core)	ME	ME201L	Manufacturing Technology - 1	L	2	0	0	40	10	50	50	100	2
3	PC	Major (Core)	ME	ME202L	Materials Engineering & Metallurgy	L	3	0	0	60	15	75	75	150	3
4	PC	Major (Core)	ME	ME203L	Fluid Mechanics & Machinery	L	3	0	0	60	15	75	75	150	3
5	PC	Major (Core)	ME	ME204L	Engineering Thermodynamics	L	2	0	0	40	10	50	50	100	2
6	MC	Value Added	ASH	HS109L	Constitution of India	L	2	0	0	25	-	25	25	-	NC
7	HS	AEC	ASH	HS110L	Aptitude-1	L	1	0	0	-	25	25	25	50	1
8	HS	AEC	ASH	HS111L	Soft Skills Essential-1	L	1	0	0	-	25	25	25	-	NC
Blended															
9	ES	Major (Core)	ELCE	EL106B	Introduction to AI & ML	B	2	0	2	60	15	75	75	150	3
10	PE	Major (Core)/SEC	-	-	Professional Elective-I	B	3	0	2	80	20	100	100	200	4
Lab/Practical															
11	PC	Major (Core)	ME	ME201P	Manufacturing Technology - I Lab	P	0	0	2	-	25	25	25	50	1
12	PC	Major (Core)	ME	ME202P	Material Testing Lab	P	0	0	2	-	25	25	25	50	1
13	PC	Major (Core)	ME	ME203P	Fluid Mechanics & Machinery Lab	P	0	0	2	-	25	25	25	50	1
14	PW	Summer internship	CSIT	IT105P	Social Internship Assessment	P	0	0	0	-	50	50	-	50	1
Total Hours : 32 hrs.							22	0	10					1250	25

B.Tech 2nd Year (2024-2028 Batch)**B. Tech (ME) 4th Sem**

S No.	Course Category	Course Category (UGC)	BOS	Course Code	Course Name	Type	Academic Learning (AL)			Continuous Internal Examination (CIE)			End Sem Examination (ESE)	Total Marks	Total Credits
							L	T	P	MSE	CA	TOTAL			
1	PC	Major(Core)	ME	ME205L	Applied Thermodynamics	L	3	1	0	80	20	100	100	200	4
2	PC	Major(Core)	ME	ME301L	Mechanics of Solids	L	3	1	0	80	20	100	100	200	4
3	PC	Major(Core)	ME	ME206L	Manufacturing Technology - II	L	2	0	0	40	10	50	50	100	2
4	MC	Value Added	ASH	HS112L	Universal Human Values	L	3	0	0	60	15	75	75	150	3
5	HS	AEC	ASH	HS113L	Aptitude-2	L	1	0	0	-	25	25	25	50	1
6	HS	AEC	ASH	HS114L	Soft Skills Essential 2	L	1	0	0	-	25	25	25	-	NC
Blended															
7	PE	Major (Core)/SEC	-	-	Professional Elective-II	B	3	0	2	80	20	100	100	200	4
8	PC	Minor (Core)	ME	ME201B	Machine Analytics	B	2	0	2	60	15	75	75	150	3
Lab/Practical															
9	PC	Major(Core)	ME	ME205P	Thermal Engineering Lab	P	0	0	2	-	25	25	25	50	1
10	PC	Major(Core)	ME	ME207P	CAMD Lab	P	0	0	4	-	50	50	50	100	2
11	PC	Major(Core)	ME	ME206P	Manufacturing Technology - II Lab	P	0	0	2	-	25	25	25	50	1
Total Hours : 32 hrs.							18	2	12					1250	25

Professional Electives (PE)

S.No.	Course Type (PE)	Basket-1 Design & Analysis	Basket-2 Automotive Product Design	Basket-3 (Intelligent Electric Vehicle) Powered by: Imperial Society of Innovative Engineers and National Skill Development Corporation (NSDC)	Basket-4 (Next-Gen Automation: IIoT & Gateways) Powered by: Usha Automation, India and Phoenix Contact, Germany
1	BOS	ME	ME	EEE	EEE
	PE I-(3 rd Sem)	Computer Aided Design (ME208E)	Computer Aided Product Design (ME210E)	Modelling Dynamic Systems and Physical Components using MATLAB (EE205E)	Sensors & Automation Essentials (EE207E)
2	BOS	ME	ME	EEE	EEE
	PE II-(4 th Sem)	Fundamental of Design Analysis and Simulation (ME209E)	Product Reverse Engineering (ME211E)	Integration of Systems of EVs (EE206E)	Integration of SCADA and PLC with IIOT Gateways (EE208E)