

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

Approved by AICTE, New Delhi

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

Electronics & Communication Engineering (ECE)

2nd Year

EVALUATION SCHEME

Effective from the Session: 2025-26

B.Tech 2nd Year (2024-2028 Batch)**B.Tech (ECE) 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			
1	PC	Major (Core)	EC	EC204L	Network Analysis	L	2	0	0	40	10	50	50	100	2
2	PC	Major (Core)	EC	EC205L	Analog Communication	L	3	0	0	60	15	75	75	150	3
3	PC	Major (Core)	EC	EC301L	Microelectronic Circuits	L	3	0	0	60	15	75	75	150	3
4	BS	Major (Core)	ASH	MA105L	Probability and Statistics	L	3	0	0	60	15	75	75	150	3
5	MC	Value Added	ASH	HS109L	Constitution of India	L	2	0	0	25	-	25	25	-	NC
6	HS	AEC	ASH	HS110L	Aptitude-1	L	1	0	0	-	25	25	25	50	1
7	HS	AEC	ASH	HS111L	Soft Skills Essential-1	L	1	0	0	-	25	25	25	-	NC
Blended															
8	PC	Major (Core)	EC	EC203B	Basics of Signals and Systems	B	2	0	2	60	15	75	75	150	3
9	PC	Major (Core)	CSE (AIML)	AI101B	Introduction to AI	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)	EC	EC205P	Analog Communication Lab	P	0	0	2	--	25	25	25	50	1
12	PC	Major (Core)	EC	EC301P	Microelectronic Circuits Lab	P	0	0	2	--	25	25	25	50	1
13	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 (ECE) 4th 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	PC	Major (Core)	EC	EC206L	Modern Control Systems	L	3	0	0	60	15	75	75	150	3
2	PC	Major (Core)	EC	EC302L	Digital Communication	L	3	0	0	60	15	75	75	150	3
3	PC	Major (Core)	EC	EC401L	Linear Integrated Circuits	L	3	0	0	60	15	75	75	150	3
4	PC	Major (Core)	EC	EC207L	Electro-Magnetic Field Theory	L	2	0	0	40	10	50	50	100	2
5	PC	Major (Core)	IT	IT301L	Database Systems	L	3	0	0	60	15	75	75	150	3
6	MC	Value Added	ASH	HS112L	Universal Human Values	L	3	0	0	60	15	75	75	150	3
7	HS	AEC	ASH	HS113L	Aptitude-2	L	1	0	0	-	25	25	25	50	1
8	HS	AEC	ASH	HS114L	Soft Skills Essential 2	L	1	0	0	-	25	25	25	-	NC
Blended															
9	PE	Major (Core)/SEC	-	-	Professional Elective-II	B	3	0	2	80	20	100	100	200	4
Lab/Practical															
10	PC	Major (Core)	IT	IT301P	Database Systems Lab	P	0	0	2	-	25	25	25	50	1
11	ES	Major (Core)	EC	EC302P	Digital Communication Lab	P	0	0	2	-	25	25	25	50	1
12	PC	Major (Core)	EC	EC401P	Linear Integrated Circuits Lab	P	0	0	2	-	25	25	25	50	1
Total Hours: 30 hrs.							22	0	08					1250	25

Professional Electives (PE)

S.No.	Course Type (PE)	Professional Elective: Wireless Communication	Professional Elective: Bio-Medical Electronics	Professional Elective: VLSI Design	Professional Elective: Space Technologies	Professional Elective: Next-Gen Automation: IIoT & Gateways	Professional Elective: AI and Data-Driven Smart Grid Technologies	Professional Elective: Systems Engineering
1	BOS	ECE	ECE	ECE	ECE	EEE	ELCE	ECE
	PE I-(3 rd Sem)	Adaptive Signal Processing (EC216E)	Biology For Engineers (EC210E)	Digital Integrated Circuit Design (EC212E)	Remote Sensing and Applications (EC218E)	Sensors & Automation Essentials (EE207E)	Smart Grid Fundamentals and Applications (EL206E)	System Engineering-I (EC220E)
2	BOS	ECE	ECE	ECE	ECE	EEE	ELCE	ECE
	PE II-(4 th Sem)	Wireless Communications Networks (EC217E)	Bio-Medical Electronics & Devices (EC211E)	Analog Integrated Circuit Design (EC213E)	Radar and Satellite Communication (EC219E)	Integration of SCADA and PLC with IIOT Gateways (EE208E)	AI and Machine Learning for Smart Grids (EL207E)	System Engineering-II (EC221E)