

Kaveri University
B.Tech. Electronics and Communication Engineering (ECE)
Course Structure
Applicable from Academic Year 2026-2027

I Year

SEMESTER-I						
Sl. No.	Course Code	Course	L	T	P	Credits
3 WEEKS COMPULSORY INDUCTION PROGRAM						
1.	26MA101BS	Mathematics - I (Calculus & Linear Algebra)	3	1	0	4
2.	26PH102BS	Applied Physics	3	0	0	3
3.	26CS103ES	Programming for Problem Solving	3	0	0	3
4.	26ME104ES	Computer Aided Engineering Graphics	1	0	4	3
5.	26EE105ES	Basic Electrical Engineering	2	0	0	2
6.	26PH106BS	Applied Physics Lab	0	0	2	1
7.	26CS107ES	Programming for Problem Solving Lab Using C	0	0	2	1
8.	26ME108ES	Engineering Workshop /Makers Lab	1	0	2	2
9.	26EE109ES	Basic Electrical Engineering Lab	0	0	2	1
10.	26PE01AU	Sports and Yoga	3 [^]	0	0	0
Total			13+3[^]	1	12	20

[^]represents related to Audit Course.

SEMESTER-II						
Sl. No.	Course Code	Course	L	T	P	Credits
1.	26MA201BS	Mathematics-II (Ordinary Differential Equations and Vector Calculus)	3	1	0	4
2.	26CH202BS	Engineering Chemistry	3	0	0	3
3.	26EC203PC	Electronic Devices and Circuits	2	0	0	2
4.	26CS204ES	Data Structures	3	0	0	3
5.	26EN205HS	Communication Skills	1	0	0	1
6.	26CS206ES	Data Structures Laboratory	0	0	2	1
7.	26CH207BS	Engineering Chemistry Laboratory	0	0	2	1
8.	26CS208ES	Object Oriented Programming using Python Lab	0	0	2	1
9.	26EN209HS	Communication Skills Lab	0	0	2	1
10.	26MS210HS	Design Thinking	0	1	2	2
11.	26EC211ES	Electronic Devices and Circuits Lab	0	0	2	1
Total			12	2	12	20

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SEMESTER-III

Sl. No.	Course Code	Course	L	T	P	Credits
1.	26EC301PC	Digital System Design	3	0	0	3
3.	26EC302PC	Probability Theory and Stochastic Processes	3	1	0	4
5.	26EC303PC	Signal Analysis and Transform Techniques	3	1	0	4
4.	26EC304ES	Network Analysis and Synthesis	3	0	0	3
2.	26MA305BS	Mathematics – III	3	1	0	4
6.	26EC306PC	Digital System Design Lab	0	0	2	1
7.	26EC307PC	Signal Analysis and Transform Techniques Lab	0	0	2	1
8.	26EN308HS	Soft Skills and Interpersonal Skills	0	0	2	1
9.	26CS309ES	Drone Technology Workshop	1	0	2	2
Total			16	3	8	23

SEMESTER-IV

Sl. No.	Course Code	Course	L	T	P	Credits
1.	26EC401PC	Analog Circuits	3	0	0	3
2.	26EC402PC	Microprocessor and Microcontroller	3	0	0	3
3.	26EC403PC	Analog and Digital Communication	3	0	0	3
4.	26EC404PC	Control Theory	3	1	0	4
5.	26EC405PC	Electromagnetic Waves	3	1	0	4
6.	26EC406PC	Analog Circuits Lab	0	0	2	1
7.	26EC407PC	Microprocessor and Microcontroller Lab	0	0	2	1
8.	26EC408PC	Analog and Digital Communication Lab	0	0	2	1
9.	26AD410EEC	Mini Project	0	0	6	3
10.	26CH02AU	Environmental Science	0	0	2^	0
Total			15	2	14	23

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SEMESTER-V						
Sl. No.	Course Code	Course	L	T	P	Credits
1.	26EC501PC	VLSI Design	3	0	0	3
2.	26EC502PC	Embedded Systems	3	0	0	3
3.	26EC503PC	Antennas & Wave Propagation	3	1	0	4
4.	26EC504PC	Digital Signal Processing	3	0	0	3
5.	26EC505PC	Data Communications and Computer Networks	3	0	0	3
6.	26EC506PC	VLSI Design Lab	0	0	2	1
7.	26EC507PC	Embedded Systems Lab	0	0	2	1
8.	26EC508PC	Digital Signal Processing Lab	0	0	2	1
9.	26EC509PC	Data Communications and Computer Networks Lab	0	0	2	1
10.	26EC51XOE	Open Elective – I	3	0	0	3
11.	26EN03AU	Constitution of India [^]	0	0	2 [^]	0
Total			18	1	10	23

[^]represents related to Audit Course.

SEMESTER-VI						
Sl. No.	Course Code	Course	L	T	P	Credits
1.	26EC61XPE	Professional Elective – I	3	0	0	3
2.	26EC601PC	Mobile Communication and Networks	3	0	0	3
3.	26EC602EEC	Industry/Research Internship	0	0	20	10
Total			6	0	20	16

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IV Year

SEMESTER-VII						
Sl. No.	Course Code	Course	L	T	P	Credits
1	26EC701PC	Internet of Things	3	0	0	3
2	26EC702PC	Microwave Techniques	3	0	0	3
3	26MS703HS	Engineering Economics	3	0	0	3
4	26EC704PC	Internet of Things Lab	0	0	2	1
5	26EC72XPE	Professional Elective – II	3	0	0	3
6	26EC73XPE	Professional Elective – III	3	0	0	3
7	26EC72XOE	Open Elective – II	3	0	0	3
8	26EN705HS	Professional Practice, Law & Ethics	0	0	4	2
9	26EC706EEC	Capstone Project – I	0	0	4	2
10	26EN04AU	Gender Sensitization Lab	0	0	2	0
Total			18	0	12	23

SEMESTER-VIII						
Sl. No.	Course Code	Course	L	T	P	Credits
1.	26EC84XPE	Professional Elective – IV	3	0	0	3
2.	26EC83XOE	Open Elective – III	3	0	0	3
3.	26EC801EEC	Capstone Project – II	0	0	20	10
Total			6	0	20	16