DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
B.Tech Course Structure (R25 Regulations)

I B.Tech (I Sem)   **Branch / Specialization: ECE**

S. No	Course Code	Name of the Course	Contact Hours per Week			Credits
			L	T	P	
1	R25MA101	Matrices and Calculus	3	1	0	4
2	R25PH102	Advanced Engineering Physics	3	0	0	3
3	R25CS103	Programming for Problem Solving	3	0	0	3
4	R25EE104	Basic Electrical Engineering	2	0	0	2
5	R25ME105	Engineering Drawing and Computer Aided Drafting	2	0	2	3
6	R25EN106	English for Skill Enhancement	3	0	0	3
7	R25PH107	Advanced Engineering Physics Lab	0	0	2	1
8	R25CS108	Programming for Problem Solving Lab	0	0	2	1
9	R25EN109	English Language and Communication Skills Lab	0	0	2	1
		Induction Program				
		Total	**16**	**1**	**08**	**21**

L: Lecture Hour   **T: Tutorial Hour**   **P: Lab / Practice Hour**

I B.Tech (II Sem)   **Branch / Specialization: ECE**

S. No	Course Code	Name of the Course	Contact Hours per Week			Credits
			L	T	P	
1	R25MA201	Ordinary Differential Equations and Vector Calculus	3	0	0	3
2	R25CH202	Engineering Chemistry	3	0	0	3
3	R25CS203	Python Programming	3	0	0	3
4	R25CS204	Data Structures	3	0	0	3
5	R25EE205	Network Analysis and Synthesis	3	0	0	3
6	R25CH206	Engineering Chemistry Lab	0	0	2	1
7	R25EC207	Applied Python Programming Lab	0	0	2	1
8	R25CS208	Data Structures Lab	0	0	2	1
9	R25EE209	Basic Electrical Engineering Lab	0	0	2	1
10	R25ME210	Engineering Workshop	0	0	2	1
		Total	**15**	**0**	**10**	**20**

L: Lecture Hour   **T: Tutorial Hour**   **P: Lab / Practice Hour**

II B.Tech (I Sem)   **Branch / Specialization: ECE**

S. No	Course Code	Name of the Course	Contact Hours per Week			Credits
			L	T	P	
1	R25EC301	Probability Theory and Stochastic Processes	3	0	0	3
2	R25EC302	Signals and Systems	3	0	0	3
3	R25EC303	Electronic Devices and Circuits	3	0	0	3
4	R25EC304	Digital Logic Design	3	0	0	3
5	R25EC305	Control Systems	2	0	0	2
6	R25MS306	Innovation and Entrepreneurship	2	0	0	2
7	R25VA307	Environmental Science	1	0	0	1
8	R25EC308	Modelling and Simulation Lab	0	0	2	1
9	R25EC309	Electronic Devices and Circuits Lab	0	0	2	1
10	R25EC310	Digital Logic Design Lab	0	0	2	1
11	R25EC311	Linux and Shell Scripting	0	0	2	1
		Total	**17**	**0**	**08**	**21**

L: Lecture Hour   **T: Tutorial Hour**   **P: Lab / Practice Hour**

II B.Tech (II Sem)   **Branch / Specialization: ECE**

S. No	Course Code	Name of the Course	Contact Hours per Week			Credits
			L	T	P	
1	R25EC401	Electromagnetic Fields and Transmission Lines	3	0	0	3
2	R25EC402	Analog and Digital Communications	3	0	0	3
3	R25MA403	Numerical Methods and Complex Variables	3	0	0	3
4	R25EC404	Electronic Circuit Analysis	3	0	0	3
5	R25EC405	Linear and Digital IC Applications	3	0	0	3
6	R25MA406	Computational Mathematics Lab	0	0	2	1
7	R25EC407	Analog and Digital Communications Lab	0	0	2	1
8	R25EC408	Electronic Circuit Analysis Lab	0	0	2	1
9	R25EC409	Linear and Digital IC Applications Lab	0	0	2	1
10	R25EC410	Web and Mobile Applications	0	0	2	1
		Total	**15**	**0**	**10**	**20**

L: Lecture Hour   **T: Tutorial Hour**   **P: Lab / Practice Hour**