

Undergraduate Courses

First Semester

Sl. No.	Course No	Course Title	Theory		Sessional		Total Credits
			Contact Hrs/week	Credits	Contact Hrs/week	Credits	
1	ETE 101	Introduction to Solid State Devices	3.00	3.00			3.00
2	ETE 102	Sessional Based on ETE 101			1.50	0.75	0.75
3	EEE 107	Electrical Circuit Theory	3.00	3.00			3.00
4	EEE 108	Sessional Based on EEE 107			3.00	1.50	1.50
5	ETE 190	Engineering Graphics			3.00	1.50	1.50
6	Phy 111	Physics	3.00	3.00			3.00
7	Phy 112	Sessional Based on Phy 111			1.50	0.75	0.75
8	Math 151	Engg. Mathematics-I	3.00	3.00			3.00
9	Hum 111	Technical English Communication & Report Writing	2.00	2.00			2.00
Total =>			14.00	14.00	9.00	4.50	18.50

Second Semester

Sl. No.	Course No	Course Title	Theory		Sessional		Total Credits
			Contact Hrs/week	Credits	Contact Hrs/week	Credits	
1	ETE 103	Analog Electronics-I	3.00	3.00			3.00
2	ETE 104	Sessional Based on ETE 103			3.00	1.50	1.50
3	CSE 141	Computer Fundamentals and Programming	3.00	3.00			3.00

4	CSE 142	Sessional Based on CSE 141			3.00	1.50	1.50
5	EEE 109	Network Analysis & Synthesis	3.00	3.00			3.00
6	Math 153	Engg. Mathematics-II	3.00	3.00			3.00
7	Hum 113	Financial Accounts & Economic Analysis	4.00	4.00			4.00
Total =>			16.00	16.00	6.00	3.00	19.00

Third Semester

Sl. No.	Course No	Course Title	Theory		Sessional		Total Credits
			Contact Hrs/week	Credits	Contact Hrs/week	Credits	
1	ETE 200	Electronic Circuit Design Lab.			3.00	1.50	1.50
2	ETE 201	Digital Electronics	3.00	3.00			3.00
3	ETE 202	Sessional Based on ETE 201			3.00	1.50	1.50
4	ETE 203	Analog Electronics-II	3.00	3.00			3.00
5	ETE 204	Sessional Based on ETE 203			1.50	0.75	0.75
6	CSE 241	Data Structure and Algorithm	3.00	3.00			3.00
7	CSE 242	Sessional Based on CSE 241			1.50	0.75	0.75
8	EEE 223	Electrical Machines	3.00	3.00			3.00
9	Math 251	Engg. Mathematics-III	3.00	3.00			3.00
Total =>			15.00	15.00	9.00	4.50	19.50

Fourth Semester

Sl. No.	Course No	Course Title	Theory		Sessional		Total Credits
			Contact Hrs/week	Credits	Contact Hrs/week	Credits	

1	EEE 224	Sessional Based on EEE 223			1.50	0.75	0.75
2	ETE 209	Design and Analysis of Signal and Systems using MATLAB	3.00	3.00			3.00
3	ETE 210	Sessional Based on ETE 209			1.50	0.75	0.75
4	EEE 271	Instrumentation	3.00	3.00			3.00
5	EEE 272	Sessional Based on EEE 271			3.00	1.50	1.50
6	ETE 211	Communication Theory	3.00	3.00			3.00
7	ETE 212	Sessional Based on ETE 211			1.50	0.75	0.75
8	ETE 221	EM Fields and Waves	3.00	3.00			3.00
9	Math 253	Engg. Mathematics-IV	3.00	3.00			3.00
Total =>			15.00	15.00	7.50	3.75	18.75

Fifth Semester

Sl. No.	Course No	Course Title	Theory		Sessional		Total Credits
			Contact Hrs/week	Credits	Contact Hrs/week	Credits	
1	EEE 301	Control System	3.00	3.00			3.00
2	EEE 302	Sessional Based on EEE 301			1.50	0.75	0.75
3	ETE 303	VLSI Design	3.00	3.00			3.00
4	ETE 304	Sessional Based on ETE 303			1.50	0.75	0.75
5	EEE 313	Industrial Electronics	3.00	3.00			3.00
6	EEE 314	Sessional Based on EEE 313			1.50	0.75	0.75
7	ETE 321	Microwave Engineering	3.00	3.00			3.00
8	ETE 322	Sessional based on ETE 321			1.50	0.75	0.75

9	ETE 333	Numerical Methods in Engineering	3.00	3.00			3.00
10	ETE 334	Sessional Based on ETE 333			3.00	1.50	1.50
Total =>			15.00	15.00	9.00	4.50	19.50

Sixth Semester

Sl. No.	Course No	Course Title	Theory		Sessional		Total Credits
			Contact Hrs/week	Credits	Contact Hrs/week	Credits	
1	ETE 300	Electronic Project Design and Development			3.00	1.50	1.50
2	ETE 315	Information Theory	3.00	3.00			3.00
3	ETE 309	Digital Signal Processing	3.00	3.00			3.00
4	ETE 310	Sessional Based on ETE 309			1.50	0.75	0.75
5	ETE 311	Digital Communication	3.00	3.00			3.00
6	ETE 312	Sessional Based on ETE 311			1.50	0.75	0.75
7	ETE 323	Antennas and Propagation	3.00	3.00			3.00
8	ETE 324	Sessional Based on ETE 323			1.50	0.75	0.75
9	EEE 351	Microprocessor and Microcomputer	3.00	3.00			3.00
10	EEE 352	Sessional based on EEE 351			3.00	1.50	1.50
Total =>			15.00	15.00	10.50	5.25	20.25

Seventh Semester

Sl. No.	Course No	Course Title	Theory		Sessional		Total Credits
			Contact Hrs/week	Credits	Contact Hrs/week	Credits	
1	ETE 400	Project and Thesis			3.00	1.50	1.50

2	ETE 401	Computer Network and Data Communication	3.00	3.00			3.00
3	ETE 402	Sessional Based on ETE 401			1.50	0.75	0.75
4	Hum 411	Project Planning Management & Engineering	2.00	2.00			2.00
5	ETE 411	Wireless and Mobile Communication	3.00	3.00			3.00
6	ETE 412	Sessional Based on ETE 411			1.50	0.75	0.75
7	ETE 413	Telecommunication Engineering	3.00	3.00			3.00
8	ETE 414	Sessional Based on ETE 413			1.50	0.75	0.75
9	ETE ***	Elective-II	3.00	3.00			3.00
10	ETE ####	Sessional Based on ETE ***			1.50	0.75	0.75
Total =>			14.00	14.00	9.00	4.50	18.50

Eighth Semester

Sl. No.	Course No	Course Title	Theory		Sessional		Total Credits
			Contact Hrs/week	Credits	Contact Hrs/week	Credits	
1	ETE 400	Project and Thesis			3.00	1.50	1.50
2	ETE 415	Radio and TV Engg.	3.00	3.00			3.00
3	ETE 416	Sessional Based on ETE 415			1.50	0.75	0.75
4	ETE 417	Fiber Optic Communication	3.00	3.00			3.00
5	ETE 418	Sessional Based on ETE 417			15.0	0.75	0.75

6	ETE 419	Satellite Communication and Radar	3.00	3.00			3.00
7	ETE **	Elective-I	3.00	3.00			3.00
8	ETE ***	Elective-III	3.00	3.00			3.00
9	ETE ###	Sessional Based on ETE ***			1.50	0.75	0.75
Total =>			15.00	15.00	7.50	3.75	18.75

ELECTIVE COURSES

Table 2

Category	Course No.	Title	Credit (s)
Elective-I	ETE 407	Adaptive Filters	3.00
	ETE 409	Random Signal Processing	3.00
	ETE 423	Radio Wave Propagation	3.00
	ETE 427	Neural and Fuzzy Systems in Communications	3.00
	ETE 429	Spread Spectrum and CDMA Technology	3.00
	ETE 435	Discrete Mathematics	3.00
	ETE 441	Graph Theory	3.00
	ETE 431	Statistical Theory of Communication	3.00

Category	Course No.	Title	Credit (s)
Elective-II (Subjects Contain Sessional)	ETE 421,422	Microwave Devices	3.75
	ETE 425,426	Solid State Microwave Devices	3.75
	ETE 433,434	Numerical Techniques in Electromagnetics	3.75
	ETE 443,444	Multimedia Communication	3.75
	ETE 445,446	Digital Filter Design	3.75
	ETE 447,448	Digital Image Processing	3.75

	ETE 449,450	Digital Speech Processing	3.75
	ETE 451,452	Voice Communication Techniques	3.75
Elective-III (Subjects Contain Sessional)	ETE 453,454	Microprocessor Based System Design	3.75
	ETE 455,456	Industrial Drives	3.75
	ETE 457,458	Electronic Instrumentation	3.75
	ETE 459,460	Optoelectronics	3.75