

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

B. Tech. (E & C) III Sem												
S. No.	Course Category	Course No.	Course Title	PDS/week			Credits	Course Works Marks	Mid-Sem. Exam Marks	End-Sem. Univ. Exam Marks	Exam Time (Hours)	
				L	T	P						
Theory												
1		AS-301	Mathematics- III	4	1	0	5	10	40	75	3	
2		ECS-302	Analog Electronics-I	4	1	0	5	10	40	75	3	
3		ECS-303	Circuit Analysis and Synthesis	4	1	0	5	10	40	75	3	
4		ECS-304	Principles of Measurement and Machines	4	1	0	5	10	40	75	3	
5		ECS-305	Logic Design	4	1	0	5	10	40	75	3	
Practical												
1		ECS-310	Analog Electronics Lab-I	0	0	3	2	30		20	3	
2		ECS-311	Logic Design Lab	0	0	3	2	30		20	3	
3		ECS-312	Circuit Simulation Lab	0	0	3	3	45		30	3	
Total Number of Credits							32					

B. Tech. (E & C) IV Sem												
S. No.	Course Category	Course No.	Course Title	PDS/week			Credits	Course Works Marks	Mid-Sem. Exam Marks	End-Sem. Univ. Exam Marks	Exam Time (Hours)	
				L	T	P						
Theory												
1		ECS-401	Analog Electronics-II	4	1	0	5	10	40	75	3	
2		ECS-402	Digital and Electronic Instrumentation	4	1	0	5	10	40	75	3	
3		ECS-403	Signals and Systems	4	1	0	5	10	40	75	3	
4		ECS-404	Electromagnetic Field Theory	4	1	0	5	10	40	75	3	
5		ECS-405	Communication Systems	4	1	0	5	10	40	75	3	
Practical												
1		ECS-410	Analog Electronics-II Lab	0	0	3	2	30		20	3	
2		ECS-411	Instrumentation Lab	0	0	3	2	30		20	3	
3		ECS-412	Communication Engineering Lab	0	0	3	3	45		30	3	
Total Number of Credits							32					

B. Tech. (E & C) V Sem											
S. No.	Course Category	Course No.	Course Title	PDS/week			Credits	Course Works Marks	Mid-Sem. Exam Marks	End-Sem. Univ. Exam Marks	Exam Time (Hours)
				L	T	P					
Theory											
1		ECS-501	Control Systems	4	1	0	5	10	40	75	3
2		ECS-502	Transducers and Intelligent Instruments	4	1	0	5	10	40	75	3
3		ECS-503	Active Filters and Signal Processing	4	1	0	5	10	40	75	3
4		ECS-504	Computer Architecture	4	1	0	5	10	40	75	3
5		ECS-505	Digital Circuits and Systems	4	1	0	5	10	40	75	3
Practical											
1		ECS-510	Transducer Lab	0	0	3	2	30		20	3
2		ECS-511	AFSP Lab	0	0	3	2	30		20	3
3		ECS-512	Digital Circuits Lab	0	0	3	3	45		30	3
Total Number of Credits							32			30	3

B. Tech. (E & C) VI Sem											
S. No.	Course Category	Course No.	Course Title	PDS/week			Credits	Course Works Marks	Mid-Sem. Exam Marks	End-Sem. Univ. Exam Marks	Exam Time (Hours)
				L	T	P					
Theory											
1		ECS-601	Data Structure and Computer Programming	4	1	0	5	10	40	75	3
2		ECS-602	Microprocessor and Applications	4	1	0	5	10	40	75	3
3		ECS-603	Digital Signal Processing	4	1	0	5	10	40	75	3
4		ECS-604	Antenna and Wave Propagation	4	1	0	5	10	40	75	3
5		ECS-605 AS	Data Communication and Computer Networking	4	1	0	5	10	40	75	3
Practical											
1		ECS-610	Microprocessor Lab	0	0	3	2	30		20	3
2		ECS-611	DSP Lab	0	0	3	2	30		20	3
3		ECS-612	Seminar	0	0	3	3	45		30	3
Total Number of Credits							32				

B. Tech. (E & C) VII Sem											
S. No.	Course Category	Course No.	Course Title	PDS/week			Credits	Course Works Marks	Mid-Sem. Exam Marks	End-Sem. Univ. Exam Marks	Exam Time (Hours)
				L	T	P					
Theory											
1		ECS-701	Advanced Analog Signal Processing	4	1	0	5	10	40	75	3
2		ECS-702	VLSI Design	4	1	0	5	10	40	75	3
3		ECS-703	Wireless Communication	4	1	0	5	10	40	75	3
4		ECS-706	Digital Communication .	4	1	0	5	10	40	75	3
5		ECS-707	Embedded System Design	4	1	0	5	10	40	75	3
Practical											
1		ECS-710	AASP Lab	0	0	3	2	30		20	3
2		ECS-711	VLSI Design Lab	0	0	3	2	30		20	3
3		ECS-712	Minor Project	0	0	3	3	45		30	3
Total Number of Credits							32				

B. Tech. (E & C) VIII Sem												
S. No.	Course Category	Course No.	Course Title	PDS/week			Credits	Course Works Marks	Mid-Sem. Exam Marks	End-Sem. Univ. Exam Marks	Exam Time (Hours)	
				L	T	P						
Theory												
1		ECS-801	Digital Image Processing	4	1	0	5	10	40	75	3	
2		ECS-802	Communication Networks	4	1	0	5	10	40	75	3	
3		ECS-803	Microwave Engineering	4	1	0	5	10	40	75	3	
4		ECS-804	Optical Fiber Communication	4	1	0	5	10	40	75	3	
Practical												
1		ECS-810	Image Proc. Lab	0	0	3	2	30		20	3	
2		ECS-811	Microwave Engg. Lab	0	0	3	2	30		20	3	
3		ECS-812	Major Project	0	0	3	8	120		80	3	
Total Number of Credits							32					