Department of Electronics and Communication Engineering JamiaMillialslamia

B. TECH. ELECTRONICS AND COMMUNICATION ENGINEERINGCOURSE STRUCTURE UNDER THE CHOICE BASE CREDIT SYSTEM (CBCS)

Codes for nature of courses

Category of Courses

L: Lecture courses

DC:Departmentalcourses

P: Laboratory Based courses

CBCS: Choice based Credit System

S: Seminar/ Independent Study

Weight age for Course Evaluation

L Lecture T Tutorial P Practical CCA Continuous Class Assessment

MTE Mid Term Exam

B. TECH. ELECTRONICS AND COMMUNICATION ENGINEERING-II YEAR

	Third Semester													
S.No		Course Name	Type of Course	Credit	Periods Per week		Examination Scheme (Distribution of Marks)							
	Course No.			dit			Mid Semester Evaluation			End				
					L	Т	P	CCA	M TE -1	M T E- 2	Semester Evaluation	Total Marks		
01	ECS-301	Engineering Mathematics	-	4	3	1	-	10	15	15	60	100		
02	ECS-302	Analog Electronics-I	-	4	3	1	-	10	15	15	60	100		
03	ECS-303	Circuit Analysis and Synthesis	-	4	3	1	-	10	15	15	60	100		
04	ECS-304	Electronic Measurements and Instrumentation	-	4	3	1	-	10	15	15	60	100		
05	ECS-305	Logic Design	CBCS	4	3	1	-	10	15	15	60	100		
PRAC	PRACTICAL (LAB.)													
06	ECS-310	Analog Electronics-I	-	2	-	-	4	10	10	10	20	50		
07	ECS-311	Circuit Simulation Lab	-	2	-	-	4	10	10	10	20	50		
08	ECS-312	Logic Design	-	2	-	-	4	10	10	10	20	50 650		
	Total						26							
0.1	EGG 401	A 1 T1	Fourt				I	10	1.5	1.7		100		
01	ECS-401	Analog Electronics-II	-	4	3	1	-	10	15	15	60	100		
02	ECS-402	Signals and Systems	-	4	3	1	-	10	15	15	60	100		
03	ECS-403	Electromagnetic Field Theory	CBCS	4	3	1	-	10	15	15	60	100		
04	ECS-404	Communication Systems	-	4	3	1	-	10	15	15	60	100		
05	ECS-405	DSCP	-	4	3	1	-	10	15	15	60	100		
PRACTICAL (LAB.)														
06	ECS-410	Analog Electronics-II	-	2	-	-	4	10	10	10	20	50		
07	ECS-411	Communication Engg.	-	2	_	ı	4	10	10	10	20	50		
	Total			24							Total	600		

Department of Electronics and Communication Engineering JamiaMillialslamia

B. TECH. ELECTRONICS AND COMMUNICATION ENGINEERING COURSE STRUCTURE UNDER THE CHOICE BASE CREDIT SYSTEM (CBCS)

Codes for nature of courses

Category of Courses

L: Lecture courses

DC: Departmental courses

P: Laboratory Based courses

CBCS: Choice based Credit System

S: Seminar/ Independent Study

Weight age for Course Evaluation

L Lecture T Tutorial P Practical CCA Continuous Class Assessment

MTE Mid Term Exam

B. TECH. ELECTRONICS AND COMMUNICATION ENGINEERING -III YEAR

			Fifth	Sem	este	r						
S.No		Course Name	Type of Course	Credit	Periods		Examination Scheme (Distribution of Marks)					
	Course No.				Per week			Mid Semester Evaluation			End	
					L	Т	P	CCA	M TE -1	M T E- 2	Semester Evaluation	Total Marks
01	ECS-501	Active Filters and Signal Processing	-	4	3	1	-	10	15	15	60	100
02	ECS-502	Computer Architecture	CBCS	4	3	1	-	10	15	15	60	100
03	ECS-503	Control Systems	-	4	3	1	-	10	15	15	60	100
04	ECS-504	Digital Circuits and Systems	-	4	3	1	-	10	15	15	60	100
PRAC	CTICAL (LA	*										
05	ECS-511	Instrumentation Lab	-	2	-	-	4	10	10	10	20	50
06	ECS-512	Digital Circuits Lab	-	2	-	-	4	10	10	10	20	50
		Total		20								500
				Sem			1	1			1	T
01	ECS-601	Microprocessor	CBCS	4	3	1	-	10	15	15	60	100
02	ECS-602	Digital Signal Processing	-	4	3	1	-	10	15	15	60	100
03	ECS-603	Antenna and Wave Propagation	-	4	3	1	-	10	15	15	60	100
04	ECS-604	Data Communication and Computer Networking	-	4	3	1	-	10	15	15	60	100
PRAC	CTICAL (LA	B/SEMINAR)										
05	ECS-610	Microprocessor Lab	-	2	-	-	4	10	10	10	20	50
06	ECS-611	DSP Lab	-	2	-	-	4	10	10	10	20	50
07	ECS-612	Seminar	-	2	-	-	4	10	10	10	20	50
	Total									•	Total	550

Department of Electronics and Communication Engineering JamiaMillialslamia

B. TECH. ELECTRONICS AND COMMUNICATION ENGINEERING COURSE STRUCTURE **UNDER THE CHOICE BASE CREDIT SYSTEM (CBCS)**

Codes for nature of courses

Category of Courses

L: Lecture courses

CC: Departmental courses

P: Laboratory Based courses

CBCS: Choice based Credit System

D: Project based courses leading to desertion (e.g. Major,

Minor Project, Training)

S: Seminar/Independent Study

Weightage for Course Evaluation

Lecture

Τ Tutorial Practical

CCA

Continuous Class Assessment

MTE Mid Term Exam

B. TECH. ELECTRONICS AND COMMUNICATION ENGINEERING -IV YEAR

	Seventh Semester Examination Scheme												
S.No	Course No.	Course Name	Type of Course	Credit	Periods Per week			Mi	s)				
									Evaluatio	End Seme	TatalMa		
					L	Т	P	CCA	MTE -1	MTE -2	ster Evalu ation	TotalMa rks	
01	ECS-701	VLSI Design	-	4	3	1	-	10	15	15	60	100	
02	ECS-702	Wireless Communication	-	4	3	1	-	10	15	15	60	100	
03	ECS-703	Embedded Systems	CBCS	4	3	1	-	10	15	15	60	100	
04	ECS-704	Digital Communication	-	4	3	1	ı	10	15	15	60	100	
PRACTICAL (LAB./MINOR PROJECT)													
05	ECS-711	VLSI Lab	-	2	-	-	4	10	10	10	20	50	
06	ECS-712	Minor Project	-	4	-	-	12	20	20	20	40	100	
07	ECS-713	Industrial Training*	-	1	-	-	-	15	-	-	10	25	
	Total					23							
			Eigl	hth S	eme	ster							
01	ECS-801	Microwave Engineering	CBCS	4	3	1	-	10	15	15	60	100	
02	ECS-802	Optical Fiber Communication	-	4	3	1	-	10	15	15	60	100	
PRACTICAL (LAB./MAJOR PROJECT)													
03	ECS-811	Microwave Engineering Lab	-	2	-	-	4	10	10	10	20	50	
04	ECS-812	Major Project	-	12 22	-	16 60 60 60 120							
*G. 1	Total				<u> </u>	Total 5:							

^{*}Students will undergo the Industrial Training of minimum 2-weeks during summer vacation after the examinations of 6th semester are over. And submit a report till the end of VII Semester, practical exam of the same will be held along with the practical exams of VII sem.

Total Number of Credits including 1st year = 189 (137+52)