

Approved Course Structure

Program: M.Tech.- Digital Electronics and Communication Systems

Regulations: SVEC-19

I-Semester

Sl. No.	Course Code	Course Title	Contact Periods per week				C	Scheme of Examinations Max. Marks		
			L	T	P	Total		Int. Marks	Ext. Marks	Total Marks
1.	19MT13801	Advanced Digital Signal Processing	3	-	-	3	3	40	60	100
2.	19MT13802	Advanced Digital System Design	3	-	-	3	3	40	60	100
3.	19MT13803	Digital Communication Systems	3	-	-	3	3	40	60	100
Program Elective-1										
4.	19MT15707	FPGA Architectures								
	19MT13804	Image and Video Processing	3	-	-	3	3	40	60	100
	19MT13805	Information Theory and Coding Techniques								
Program Elective-2										
5.	19MT15708	Low Power CMOS VLSI Design								
	19MT13806	Adaptive Signal Processing	3	-	-	3	3	40	60	100
	19MT13807	RF Circuit Design & Microwave Devices								
6.	19MT10708	Research Methodology and IPR	2	-	-	2	2	40	60	100
7.	19MT13831	Advanced Digital System Design Lab	-	-	4	4	2	50	50	100
8.	19MT13832	Communications and Signal Processing Lab	-	-	4	4	2	50	50	100
Total			17	-	8	25	21	340	460	800
9.	19MT1AC01	Technical Report Writing	2	-	-	2	-	-	-	-

II-Semester

Sl. No.	Course Code	Course Title	Contact Periods per week				C	Scheme of Examinations		
			L	T	P	Total		Int. Marks	Ext. Marks	Total Marks
1.	19MT23801	Advanced Wireless Communications	3	-	-	3	3	40	60	100
2.	19MT15706	VLSI Design Verification and Testing	3	-	-	3	3	40	60	100
Program Elective-3										
3.	19MT25704	Memory Technologies	3	-	-	3	3	40	60	100
	19MT23802	MIMO System								
	19MT23803	Speech Processing								
Program Elective-4										
4.	19MT26305	Internet of Things	3	-	-	3	3	40	60	100
	19MT25702	Physical Design Automation								
	19MT23804	Software Defined Radio								
5.	19MT2MOOC	Open Elective (MOOC)	-	-	-	-	3	-	100	100
6.	19MT23831	Advanced Communications Lab	-	-	4	4	2	50	50	100
7.	19MT23832	VLSI Design Verification and Testing Lab	-	-	4	4	2	50	50	100
Total			12	-	8	20	19	260	440	700
8.	19MT2AC01	Statistics with R	2	-	-	2	-	-	-	-

III-Semester

Sl. No.	Course Code	Course Title	Contact Periods per week				C	Scheme of Examinations		
			L	T	P	Total		Int. Marks	Ext. Marks	Total Marks
1.	19MT33831	Internship	-	-	-	-	2	-	100	100
2.	19MT33832	Project Work Phase-I	-	-	-	-	10	50	50	100
Total			-	-	-	-	12	50	150	200

IV-Semester

Sl. No.	Course Code	Course Title	Contact Periods per week				C	Scheme of Examinations		
			L	T	P	Total		Int. Marks	Ext. Marks	Total Marks
1.	19MT43831	Project Work Phase-II	-	-	-	-	16	150	150	300
Total			-	-	-	-	16	150	150	300
Total Credits						68	-	--	--	
Grand Total Marks:									2000	



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