

MTECH_Advanced VLSI Design 2023-25											
		School Name	Teaching Scheme					Basket			
SEMESTER 1								Year	Semester	Credits	
S.NO	Course Code	Course Title	L	T	P	S	C				
1	*****	Advanced Numerical & Statistical Methods (UC)	3	0	0		3	Theory	1st Year	Sem-1	17
2	*****	Advanced Digital System Design (PC)	3	0	1		4	INT	2nd Year	Sem-2	19
3	*****	Analog Filter Design	3	0	0		3	Theory		Sem-3	17
4	*****	MOS Device Modelling	3	0	0		3	Theory		Sem-4	15
5	*****	Advanced VLSI Design	3	0	1		4	INT		Total =	68
					Total =		17				
SEMESTER 2											
S.NO	Course Code	Course Title	L	T	P	S	C				
1	*****	Analog Circuits and System Design	3	0	1		4	INT			
2	*****	IC TECHNOLOGY	3	0	0		3	Theory			
3	*****	Process and Device Simulation using CAD	3	0	0		3	Theory			
4	*****	Cryptography and Hardware Security in VLSI	3	0	0		3	Theory			
5	*****	Program Elective 3	3	0	0		3	Theory			
6	*****	Program Elective 4	3	0	0		3	Theory			
					Total =		19				
SEMESTER 3											
S.NO	Course Code	Course Title	L	T	P	S	C				
1	*****	Mixed Signal IC Design	3	0	0		3	Theory			
2	*****	Program Elective 5	3	0	0		3	Theory			
3	*****	Program Elective 6	3	0	0		3	Theory			
4	*****	Research Seminar	0	0	2		2				
5	*****	Capstone Design-1	0	0	12		6	Project			
					Total =		17				
SEMESTER 4											
S.NO	Course Code	Course Title	L	T	P	S	C				
1	*****	Capstone Design-2	0	0	30		15	Project			

					Total =	15				
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