

School Name: School of Engineering
Department Name: Department of Electrical, Electronics & Communication
Engineering Program Name: M.Tech. (VLSI DESIGN)
Scheme: 2018-2020

SEMESTER I						
Sl. No.	Course Code	Course Title	L	T	P	C
1	MATH5001	Advanced Numerical & Statistical Methods (UC)	3	1	0	4
2	MVLS5020	Advanced Digital System Design (PC)	3	0	0	3
3	MVLS5021	Advanced VLSI Design (PC)	3	0	0	3
4	MVLS5004	Analog Filter Design (PC)	3	0	0	3
5	MVLS5005	MOS Device Modelling (PE)	3	0	0	3
6	MVLS5019	Advanced Digital System Design Lab (PC)	0	0	2	1
7	MVLS5022	Advanced VLSI Design Lab (PC)	0	0	2	1
SEMESTER II						
Sl. No.	Course code	Course Title	L	T	P	C
1	CENG5001	Professional and Communication skills (UC)	0	0	4	2
2	MVLS5007	DSP for VLSI (PC)	3	0	0	3
3	MVLS5008	VLSI Testing and fault Tolerance (PC)	3	0	0	3
4	MVLS5009	ASIC Design and FPGAs (PC)	3	0	0	3
5	MVLS5010	Advanced Digital VLSI Design (PE)	3	0	0	3
6	MVLS5011	Low power VLSI Design (PE)	3	0	0	3
7	MVLS5012	ASIC Design Lab (PC)	0	0	2	1
8	MVLS5013	DSP for VLSI Lab (PC)	0	0	2	1
SEMESTER III						
Sl. No.	Course Code	Course Title	L	T	P	C
1	MVLS6001	Embedded System Design (PC)	3	0	0	3
2	MVLS6002	Physical Design Automation (PE)	3	0	0	3
3	MVLS6003	System on Chip Design (PE)	3	0	0	3
4	MVLS6004	Embedded System Lab (PC)	0	0	2	1
5	MVLS9997	Research Seminar (PC)	0	0	2	1
6	MVLS9998	Capstone Design- 1 (PC)	0	0	10	5
SEMESTER IV						
Sl. No.	Course Code	Course Title	L	T	P	C
1	MVLS9999	Capstone Design- 2 (PC)	0	0	30	15