Department of Electronics and Communication Engineering
M. Tech. in<u>VLSI and Embedded systems</u>

First Year (ISemester)

Sl. No.	Course Code	Course Name	Category Code	I	P	No. of Credits
1		MOSFET Modelling for VLSI Circuits	PEC	3	2	4
2		Digital VLSI System Design	PEC	3	2	4
3		Embedded System Design	PEC	3	2	4
4		Analog VLSI Design	PEC	3	2	4
5		Advanced Computer Architecture	PEC	3	0	3
6		Departmental Elective - 1	PEC	3	0	3
7		Seminar	PCD	--	--	1
		Total		**18**	**10**	**23**

First Year (IISemester)

Sl. No.	Course Code	Course Name	Category Code	I	P	No. of Credits
1		Digital Signal Processing and Architectures	PEC	3	2	4
2		Mixed Signal Integrated Circuits	PEC	3	2	4
3		VLSI Verification and Testing	PEC	3	2	4
4		RFIC Design	PEC	3	0	3
5		Electronic Packaging and Manufacturing	PEC	3	2	4
6		Departmental Elective – 2	PEC	3	0	3
7		Comprehensive Viva-Voce	PCD	--	--	1
		Total		**18**	**10**	**23**

Second Year (IIISemester)

Sl. No.	Course Code	Course Name	Category Code	I	P	No. of Credits
1		Dissertation Work - Phase I	PCD	0	25	15
2		Online Skill Development Course (NPTEL)	PCD	3	0	Pass
		Total		**0**	**25**	**15**

Second Year (IIISemester)

Sl. No.	Course Code	Course Name	Category Code	I	P	No. of Credits
1		Dissertation Work – Phase II	PCD	0	25	15
2		Online Skill Development Course (NPTEL)	PCD	3	0	Pass
		Total			**25**	**15**