S. B. JAIN INSTITUTE OF TECHNOLOGY, MANAGEMENT & RESEARCH, NAGPUR.

(An Autonomous Institute, Affiliated to RTMNU, Nagpur)

DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING

Vision: "Emerge as centre for quality education in Electronics & Telecommunication Engineering, so as to create competent professionals"

Master of Technology (Electronics Engineering)

CURRICULUM SCHEME
FIRST YEAR, SEMESTER-I

Scheme of Teaching & Examination of Master of Technology I Semester M.Tech. (Electronics Engineering)									
Sr. No.	Course Code	Course Title	Hours per week		Credits	Maximum Marks			ESE
			L	P		Continual Evaluation	End Sem. Exam	Total	Duration (Hrs)
1	PCCEN101T	Advanced Digital Signal Processing	3	-	3	40	60	100	3
2	PCCEN102T	Advanced Digital Communication	3	-	3	40	60	100	3
3	PCCEN103T	CMOS-VLSI	4	-	4	40	60	100	3
4		Program Elective-I	4	-	4	40	60	100	3
5		Program Elective –II	4	-	4	40	60	100	3
6	PCCEN101P	Advanced Digital Signal Processing (Laboratory-I)	-	2	1	25	25	50	-
7	PCCEN102P	Advanced Digital Communication (Laboratory-II)	-	2	1	25	25	50	-
		Total	**18**	**04**	**20**	**250**	**350**	**600**	-

Program Elective-I			Program Elective-II		
Sr. No.	Course Code	Course Title	Sr. No.	Course Code	Course Title
1	PECEN101T	Analog IC Design	1	PECEN104T	Wireless Sensor Network
2	PECEN102T	Digital Image Processing	2	PECEN105T	Pattern Recognition
3	PECEN103T	Wireless Communication	3	PECEN106T	RF Circuit Design

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FIRST YEAR, SEMESTER-II

Scheme of Teaching & Examination of Master of Technology II Semester M.Tech. (Electronics Engineering)									
Sr. No.	Course Code	Course Title	Hours per week		Credits	Maximum Marks			ESE
			L	P		Continual Evaluation	End Sem. Exam	Total	Duration (Hrs.)
1	PCCEN201T	Digital System Design and Modeling	3	-	3	40	60	100	3
2	PCCEN202T	Advanced Embedded System Design	3	-	3	40	60	100	3
3	PCCEN203T	Research Methodology	4	-	4	40	60	100	3
4		Program Elective-III	4	-	4	40	60	100	3
5		Program Elective –IV	4	-	4	40	60	100	3
6	PCCEN201P	Digital System Design and Modeling (Laboratory-I)	-	2	1	25	25	50	-
7	PCCEN202P	Advanced Embedded System Design (Laboratory-II)	-	2	1	25	25	50	-
		Total	**18**	**04**	**20**	**250**	**350**	**600**	-

Program Elective-III			Program Elective-IV		
Sr. No.	Course Code	Course Title	Sr. No.	Course Code	Course Title
1	PECEN201T	Data Compression and Cryptography	1	PECEN204T	Cloud Computing and Applications
2	PECEN202T	Soft Computing	2	PECEN205T	Human Machine Interface
3	PECEN203T	VLSI Testing	3	PECEN206T	Micro-Electromechanical Systems