Evaluation Scheme of M. Tech Embedded System Design

FIRST SEMESTER								
Course code	**Course title**	**Load Allocation**				**Marks Distribution**		
		L	T	p	TOTAL	EXTENAL	INTERNAL	TOTAL
MTED 101	Digital Systems Design	3	1	0	4	100	50	150
MTED 102	Data Communication & Networks	3	1	0	4	100	50	150
MTED 103	Designing with Power Devices	3	1	0	4	100	50	150
MTED 104	Real Time Systems	3	1	0	4	100	50	150
MTED 105	Software Technology for Embedded Systems	3	1	0	4	100	50	150
MTED 106	Software Technology-lab	0	0	4	4	50	50	100
MTED 107	Digital Design and Implementation LAB	0	0	4	4	50	50	100
	Grand total	15	5	8	28	700	350	1050

SECOND SEMESTER								
Course code	**Course Title**	**Load Allocation**				**Marks Distribution**		
		L	T	p	TOTAL	INTERNAL	EXTERNAL	TOTAL
MTED 201	Embedded System Design	3	1	0	4	50	100	150
MTED 202	Neural Networks & Fuzzy Logic	3	1	0	4	50	100	150
MTED 203	Advanced Micro processor and micro controllers	3	1	0	4	50	100	150
MTED 204	Real Time Operating System	3	1	0	4	50	100	150
MTED 205	Computer Architecture	3	1	0	4	50	100	150
MTED 206	Advanced Micro Controller-LAB	0	0	4	4	50	100	100
MTED 207	Real Time Operating System -LAB	0	0	4	4	50	100	100
	Grand total	15	5	8	28	350	700	1050

THIRD SEMESTER								
Course code	**Course title**	**Load Allocation**				**Marks Distribution**		
		L	T	p	TOTAL	INTENAL	EXTERNAL	TOTAL
MTED 301	Electronic Instrumentation Technology	3	1	0	4	50	100	150
MTED 302	System On Chip	3	1	0	4	50	100	150
MTED 303	RF Design	3	1	0	4	50	50	150
MTED 304	Thesis Seminar*	0	0	10	10	50	100	150
	Grand total	6	2	10	18	150	300	600

FOURTH SEMESTER						
Course Code	Subject	Schedule of Teaching				
		L	T	P	TOTAL	
MTED 401	THESIS*	0	0	28	28	

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Evaluation Scheme of M. Tech VLSI Design

FIRST SEMESTER								
Course code	**Course title**	**Load Allocation**				**Marks Distribution**		
		L	T	p	TOTAL	Theory/ Practical	Sessional	TOTAL
VL-511	Semiconductor Devices	3	1	0	4	50	50	100
VL-512	VLSI Design concepts	3	1	0	4	50	50	100
VL-513	Hardware Description Languages	3	1	0	4	50	50	100
VL-514	VLSI Technology	3	1	0	4	50	50	100
VL-515	Design of Analog/Mixed Mode VLSI Circuits	3	1	0	4	50	50	100
VL-516	VLSI Design–LAB	0	0	4	4	50	50	100
VL-517	Hardware Description Language -LAB	0	0	4	4	50	50	100
	Grand total	15	5	8	28	350	350	700

SECOND SEMESTER								
Course code	**Course title**	**Load Allocation**				**Marks Distribution**		
		L	T	p	TOTAL	Theory/ Practical	Sessional	TOTAL
VL-521	Advanced Digital Signal Processing	3	1	0	4	50	50	100
VL-522	ASIC Design and FPGA	3	1	0	4	50	50	100
VL-523	Memory Design and Testing	3	1	0	4	50	50	100
VL-524	Embedded Systems	3	1	0	4	50	50	100
VL-525	Testing and Fault Tolerance	3	1	0	4	50	50	100
VL-526	Digital Signal Processing and Embedded Systems- LAB	0	0	4	4	50	50	100
VL-527	Designing with FPGA's – LAB	0	0	4	4	50	50	100
	Grand total	15	5	8	28	350	350	700

THIRD SEMESTER								
Course code	**Course title**	**Load Allocation**				**Marks Distribution**		
		L	T	p	TOTAL	Theory/ Practical	Sessional	TOTAL
VL-531	Elective-l	3	1	0	4	50	50	100
VL-532	Elective-ll	3	1	0	4	50	50	100
VL-533	Thesis Seminar*	0	0	20	20	100	100	200
	Grand total	6	2	20	28	200	200	400

LIST OF ELECTIVES								
Course code	**Course title**	**Load Allocation**				**Marks Distribution**		
		L	T	p	TOTAL	Theory/ Practical	Sessional	TOTAL
VL-E1	System on Chip (SOC)	3	1	0	4	50	50	100
VL-E2	RF Design	3	1	0	4	50	50	100
VL-E3	Process and Device Characterization andMeasurements	0	1	0	4	50	50	100
VL-E4	Sensor Technology and MEMS	3	1	0	4	50	50	100

FOURTH SEMESTER								
Course code	**Subject**	**Schedule of Teaching**				**Marks Distribution**		
		L	T	p	TOTAL	Theory/ Practical	Sessional	TOTAL
VL-541	**T**hesis*	0	0	28	28	-	-	-

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Evaluation Scheme of Electronics Product Design and Technology

FIRST SEMESTER								
Course code	**Course title**	**Load Allocation**				**Marks Distribution**		
		L	T	P	TOTAL	Theory/ Practical	Sessional	TOTAL
MTET 101	Microelectronics Technology	3	1	0	4	100	50	150
MTET 102	Computer Integrated Manufacturing Systems	3	1	0	4	100	50	150
MTET 103	Advanced Communication Systems	3	1	0	4	100	50	150
MTET 104	Advanced Digital System Design	3	1	0	4	100	50	150
MTET 105	Designing with Power Devices	3	1	0	4	100	50	150
MTET 106	CAD/CAM LAB	0	0	4	4	100	50	150
MTET 107	Advanced Digital Design and Implementation – LAB	0	0	4	4	100	50	150
	Grand total	15	5	8	28	700	350	1050

SECOND SEMESTER								
Course code	**Course Title**	**Load Allocation**				**Marks Distribution**		
		L	T	P	TOTAL	EXTENAL	INTERNAL	TOTAL
MTET 201	Embedded System Design	3	1	0	4	100	50	150
MTET 202	Neural Networks & Fuzzy Logic	3	1	0	4	100	50	150
MTET203	Advanced Digital Signal Processing	3	1	0	4	100	50	150
MTET 204	Physical design of Electronic Equipments	3	1	0	4	100	50	150
MTET 205	Advanced Micro Controllers	3	1	0	4	100	50	150
MTET 206	Advanced Micro Controller-LAB	0	0	4	4	50	50	100
MTET 207	Digital Signal Processing LAB	0	0	4	4	50	50	100
	Grand total	15	5	8	28	700	350	1050

THIRD SEMESTER								
Course code	**Course Title**	**Load Allocation**				**Marks Distribution**		
		L	T	p	TOTAL	EXTENAL	INTERNAL	TOTAL
MTED 301	Electronic Instrumentation Technology	3	1	0	4	100	50	150
MTED 302	System On Chip	3	1	0	4	100	50	150
MTET 301	Sensor Technology and MEMS	3	1	0	4	50	50	150
MTED 304	Thesis Seminar*	0	10	10	10	100	50	150
	Grand total	6	2	10	18	300	150	600

FOURTH SEMESTER					
SUBJECT CODE	**SUBJECT**	**SCHEDULE OF TEACHING**			
		L	T	P	TOTAL
MTET 401	Thesis*	0	0	28	28

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