

SCHEME OF TEACHING AND EXAMINATION
B.E. MEDICAL ELECTRONICS
VII SEMESTER

Sl. No	Subject Code	Title	Teaching Dept.	Hours/week		Examination Scheme			Total Marks
				Theory	Practical	Duration	IA	ExternalMarks	
1	10ML71	Biomedical Digital Signal Processing	ML	04	-	03	25	100	125
2	10ML72	Medical Imaging Systems	ML	04	-	03	25	100	125
3	10ML73	Biomaterials and Artificial Organs	ML	04	-	03	25	100	125
4	10ML74	Digital Image Processing	ML	04	-	03	25	100	125
5	10ML75x	Elective-2 (Group-B)	ML	04	-	03	25	100	125
6	10ML76x	Elective-3 (Group-C)	ML	04	-	03	25	100	125
7	10MLL77	Biomedical DSP Lab	ML	-	03	03	25	50	75
8	10MLL78	Digital Image Processing Lab	ML	-	03	03	25	50	75
Total				24	06	24	200	700	900

Electives-2 (Group- B)			Electives-3 (Group- C)		
Sl. No	Subject Code	Title of the Subject	Sl. No	Subject Code	Title of the Subject
1	10ML751	Speech Processing	1	10ML761	Pattern Recognition in Medicine
2	10ML752	Electro-optical devices	2	10ML762	Biostatistics
3	10ML753	Linear Algebra	3	10ML763	Adaptive Signal Processing
4	10ML754	Operating Systems	4	10MS769	Micro and Smart System Tech

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1	10ML81	Embedded Systems Design	ML	04	-	03	25	100	125
2	10ML82	Neural Networks	ML	04	-	03	25	100	125
3	10ML83x	Elective-4 (Group-D)	ML	04	-	03	25	100	125
4	10ML84x	Elective-5 (Group-E)	ML	04	-	03	25	100	125
5	10ML85	Project Work	ML	-	06	03	100	100	200
6	10ML86	Seminar	ML	-	03	-	50	-	50
Total				16	06	15	250	500	750

Electives-4 (Group-D)			Electives-5 (Group-E)		
Sl. No	Subject Code	Title of the Subject	Sl. No	Subject Code	Title of the Subject
1	10ML831	Artificial Intelligence & expert Systems	1	10ML841	Bio-MEMS
2	10ML832	Fuzzy Logic & Applications	2	10ML842	Advanced Digital Image Processing
3	10ML833	Biosensors & Smart sensors	3	10ML843	Rehabilitation Engineering
4	10ML834	Low Power VLSI Design	4	10ML844	ARM Processor