

Maharashtra State Board Of Technical Education, Mumbai																								
Learning and Assessment Scheme for Post S.S.C Diploma Courses																								
Programme Name						: Diploma In Medical Electronics																		
Programme Code						: MU										With Effect From Academic Year				: 2023-24				
Duration Of Programme						: 6 Semester										Duration				: 16 WEEKS				
Semester						: Fifth				NCrF Entry Level : 4.0				Scheme				: K						
Sr No	Course Title	Abbreviation	Course Type	Course Code	Total IKS Hrs for Sem.	Learning Scheme						Credits	Assessment Scheme											
						Actual Contact Hrs./Week			Self Learning (Activity/ Assignment /Micro Project)	Notional Learning Hrs /Week	Paper Duration (hrs.)		Theory			Based on LL & TL				Based on Self Learning	Total Marks			
						CL	TL	LL								Practical								
													FA-TH	SA-TH	Total		FA-PR		SA-PR			SLA		
																	Max	Min	Max			Min	Max	Min
(All Compulsory)																								
1	MANAGEMENT	MAN	AEC	315301	1	3	-	-	1	4	2	1.5	30	70*#	100	40	-	-	-	-	25	10	125	
2	MEDICAL IMAGING EQUIPMENT	MIE	DSC	315344	-	4	-	2	2	8	4	3	30	70	100	40	25	10	25@	10	25	10	175	
3	PHYSICAL THERAPY DEVICES AND MACHINES	PTM	DSC	315345	1	4	-	2	-	6	3	3	30	70	100	40	25	10	25#	10	-	-	150	
4	ICU EQUIPMENT AND MAINTENANCE	ICU	DSC	315346	-	3	-	4	1	8	4	3	30	70	100	40	25	10	25#	10	25	10	175	
5	ENTREPRENEURSHIP DEVELOPMENT AND STARTUPS	EDS	AEC	314014	-	1	-	2	1	4	2	-	-	-	-	-	50	20	25@	10	25	10	100	
6	BIOMEDICAL SIMULATION SOFTWARE	BSO	DSC	315005	-	1	-	2	1	4	2	-	-	-	-	-	25	10	25@	10	25	10	75	
Elective (Any - One)																								
7	APPLICATIONS OF IoT	AOI	DSE	315347	-	4	-	2	-	6	3	3	30	70	100	40	25	10	25#	10	-	-	150	
	MECHATRONICS	MEC	DSE	315348	-	4	-	2	-	6	3	3	30	70	100	40	25	10	25#	10	-	-	150	
	REHABILITATION ENGINEERING	REN	DSE	315349	-	4	-	2	-	6	3	3	30	70	100	40	25	10	25#	10	-	-	150	
Total					2	20		14	6		20		150	350	500		175		150		125		950	

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						Actual Contact Hrs./Week	Self Learning (Activity/ Assignment /Micro Project)	Notional Learning Hrs /Week			Theory	Based on LL & TL				Based on Self Learning										
												Practical														
												CL	TL	LL	FA-TH		SA-TH	Total		FA-PR		SA-PR		SLA		
																		Max	Min	Max		Min	Max	Min	Max	Min
Abbreviations : CL- Classroom Learning , TL- Tutorial Learning, LL-Laboratory Learning, FA - Formative Assessment,SA -Summative Assessment, IKS - Indian Knowledge System, SLA - Self Learning Assessment Legends : @ Internal Assessment, # External Assessment, *# On Line Examination , @\$ Internal Online Examination Note : 1. FA-TH represents average of two class tests of 30 marks each conducted during the semester. 2. If candidate is not securing minimum passing marks in FA-PR of any course then the candidate shall be declared as "Detained" in that semester. 3. If candidate is not securing minimum passing marks in SLA of any course then the candidate shall be declared as fail and will have to repeat and resubmit SLA work. 4. Notional Learning hours for the semester are (CL+LL+TL+SL)hrs.* 15 Weeks 5. 1 credit is equivalent to 30 Notional hrs. 6. * Self learning hours shall not be reflected in the Time Table. 7. * Self learning includes micro project / assignment / other activities. Course Category : Discipline Specific Course Core (DSC) , Discipline Specific Elective (DSE) , Value Education Course (VEC) , Intern./Apprenti./Project./Community (INP) , Ability Enhancement Course (AEC) , Skill Enhancement Course (SEC) , Generic Elective (GE)																										