

Maharashtra State Board Of Technical Education, Mumbai

Learning and Assessment Scheme for Post S.S.C Diploma Courses

Programme Name		: Diploma In Mechatronics																					
Programme Code		: MK		With Effect From Academic Year		: 2023-24																	
Duration Of Programme		: 6 Semester		Duration		: 16 WEEKS																	
Semester		: Fourth		NCrF Entry Level : 3.5		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					FA-TH	SA-TH	Total	Practical		SLA					
																FA-PR	SA-PR	Max	Min	Max	Min		
1	ENVIRONMENTAL EDUCATION AND SUSTAINABILITY	EES	VEC	314301	2	3	-	-	1	4	2	1.5	30	70*#	100	40	-	-	-	-	25	10	125
2	THEORY OF MACHINES	TOM	DSC	313313	-	4	-	2	-	6	3	3	30	70	100	40	25	10	-	-	-	-	125
3	CONTROL SYSTEMS	CSS	DSC	314337	-	3	-	2	1	6	3	3	30	70	100	40	25	10	-	-	25	10	150
4	EMBEDDED SYSTEM USING 'C'	ESC	AEC	314338	-	3	-	4	1	8	4	3	30	70	100	40	25	10	-	-	25	10	150
5	FLUID POWER AND INDUSTRIAL AUTOMATION	IAU	DSC	314339	-	3	-	2	1	6	3	3	30	70	100	40	25	10	25#	10	25	10	175
6	ENTREPRENEURSHIP DEVELOPMENT AND STARTUPS	EDS	AEC	314014	-	1	-	2	1	4	2	-	-	-	-	-	50	20	25@	10	25	10	100
7	COMPUTER AIDED MECHATRONICS DRAFTING	CAM	SEC	314015	-	-	-	4	2	6	3	-	-	-	-	-	25	10	25#	10	25	10	75
Total					2	17	16	7		20			150	350	500		175		75		150		900

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						CL	TL	LL					FA-TH	SA-TH	Total	Practical		SLA				
																FA-PR	SA-PR	Max	Min	Max	Min	
Max	Min	Max	Min	Max	Min	Max	Min	Max	Min													
<p>Abbreviations : CL- Classroom Learning , TL- Tutorial Learning, LL-Laboratory Learning, FA - Formative Assessment,SA -Summative Assessment, IKS - Indian Knowledge System, SLA - Self Learning Assessment</p> <p>Legends : @ Internal Assessment, # External Assessment, *# On Line Examination , @\$ Internal Online Examination</p> <p>Note :</p> <ol style="list-style-type: none"> 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. <p>Course Category : Discipline Specific Course Core (DSC) , Discipline Specific Elective (DSE) , Value Education Course (VEC) , Intern./Apprenti./Project./Community (INP) , AbilityEnhancement Course (AEC) , Skill Enhancement Course (SEC) , GenericElective (GE)</p>																						