

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								Practical									
													FA-TH	SA-TH	Total		FA-PR		SA-PR				SLA		
															Max	Max	Max	Min	Max				Min	Max	Min
(All Compulsory)																									
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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						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		
						CL	TL	LL								Practical							
													FA-TH	SA-TH	Total		FA-PR		SA-PR		SLA		
																	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 :

- FA-TH represents average of two class tests of 30 marks each conducted during the semester.
- 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.
- 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.
- Notional Learning hours for the semester are (CL+LL+TL+SL)hrs.* 15 Weeks
- 1 credit is equivalent to 30 Notional hrs.
- * Self learning hours shall not be reflected in the Time Table.
- * 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) , AbilityEnhancement Course (AEC) , Skill Enhancement Course (SEC) , GenericElective (GE)