

Maharashtra State Board Of Technical Education, Mumbai																													
Learning and Assessment Scheme for Post S.S.C Diploma Courses																													
Programme Name						: Diploma In Mechanical Engineering																							
Programme Code						: ME						With Effect From Academic Year						2023-24											
Duration Of Programme						: 6 Semester						Duration						: 12 Weeks (Industry) + 10 Weeks (Institute)											
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	Max	Max	Min	Max			Min	Max	Min	Max	Min			
(All Compulsory)																													
1	EMERGING TRENDS IN MECHANICAL ENGINEERING	ETM	DSC	315363	-	3	-	-	-	3	1	1.5	30	70*#	100	40	-	-	-	-	-	-	100						
2	POWER ENGINEERING	PER	DSC	315371	1	5	-	4	3	12	4	3	30	70	100	40	25	10	25#	10	25	10	175						
3	AUTOMOBILE ENGINEERING	AEN	DSC	315372	1	4	-	2	-	6	2	3	30	70	100	40	25	10	25#	10	-	-	150						
4	SEMINAR AND PROJECT INITIATION COURSE	SPI	AEC	315003	-	-	-	1	2	3	1	-	-	-	-	25	10	25@	10	25	10	75							
5	INTERNSHIP(12 WEEKS)	ITR	INP	315004	-	-	-	-	-	36 - 40	10	-	-	-	-	100	40	100#	40	-	-	200							
Elective - I (Any - One)																													
6	PRODUCT DESIGN AND DEVELOPMENT	PDD	DSE	315367	-	4	-	2	-	6	2	3	30	70	100	40	25	10	25#	10	-	-	150						
	HEATING VENTILATION AIR CONDITIONING	HVA	DSE	315373	2	4	-	2	-	6	2	3	30	70	100	40	25	10	25#	10	-	-	150						
	POWER PLANT ENGINEERING	PPE	DSE	315374	-	4	-	2	-	6	2	3	30	70	100	40	25	10	25#	10	-	-	150						
Total					4	16		9	5		20		120	280	400		200		200		50		850						

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						CL	TL	LL								Practical				SLA			
													FA-TH	SA-TH	Total		FA-PR		SA-PR		SLA		
													Max	Max	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.* 10 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. Note: Notional learning hours for internship represents the student engagement hours. 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)																							