

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					: 16 WEEKS												
Semester		: Sixth										NCrF Entry Level : 4.0					Scheme					: K							
Sr No	Course Title	Abbreviation	Course Type	Course Code	Total IKS Hrs for Sem.	Learning Scheme						Credits	Paper Duration (hrs.)	Assessment Scheme										Total Marks					
						Actual Contact Hrs./Week			Self Learning (Activity/Assignment /Micro Project)	Notional Learning Hrs /Week	Theory			Based on LL & TL				Based on Self Learning											
						CL	TL	LL			FA-TH			SA-TH	Total	Practical		SLA											
																FA-PR	SA-PR	SLA											
						Max	Max	Max			Min			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	DESIGN OF MACHINE ELEMENTS	DME	DSC	316357	-	4	-	2	2	8	4	4	30	70	100	40	25	10	25#	10	25	10	175						
3	INDUSTRIAL ENGINEERING AND QUALITY CONTROL	IEQ	DSC	316362	-	4	-	2	2	8	4	3	30	70	100	40	25	10	-	-	25	10	150						
4	INDUSTRIAL HYDRAULICS AND PNEUMATICS	IHP	DSC	316363	-	4	-	2	-	6	3	3	30	70	100	40	25	10	25#	10	-	-	150						
5	3D MODELLING AND ADDITIVE MANUFACTURING	3DM	SEC	316013	-	-	-	4	-	4	2	-	-	-	-	-	25	10	25#	10	-	-	50						
6	CAPSTONE PROJECT	CPE	INP	316004	-	-	-	2	2	4	2	-	-	-	-	-	50	20	50#	20	50	20	150						
Elective - II (Any - One)																													
7	COMPUTER INTEGRATED MANUFACTURING SYSTEMS	CIM	DSE	316359	-	4	-	2	-	6	3	3	30	70	100	40	25	10	25#	10	-	-	150						
	ALTERNATIVE ENERGY SOURCES AND ENERGY MANAGEMENT	AEM	DSE	316364	-	4	-	2	-	6	3	3	30	70	100	40	25	10	25#	10	-	-	150						
	COLD CHAIN MANAGEMENT	CCM	DSE	316365	2	4	-	2	-	6	3	3	30	70	100	40	25	10	25#	10	-	-	150						
Total					3	19		14	7		20		150	350	500		175		150		125		950						

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						CL	TL	LL					FA-TH	SA-TH	Total	Practical		SLA				
																FA-PR	SA-PR	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) , Ability Enhancement Course (AEC) , Skill Enhancement Course (SEC) , Generic Elective (GE)</p>																						