

**Maharashtra State Board Of Technical Education, Mumbai**

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

<b>Programme Name</b> : Diploma In Artificial Intelligence / Artificial Intelligence and Machine Learning / Cloud Computing and Big Data / Computer Technology / Computer Engineering / Computer Science & Engineering / Data Sciences / Computer Hardware & Maintenance / Information Technology / Computer Science & Information Technology / Computer Science																							
<b>With Effect From Academic Year : 2023-24</b>																							
<b>Duration Of Programme</b> : 6 Semester										<b>Duration : 16 WEEKS</b>													
<b>Semester</b> : First      NCrF Entry Level : 3.0      Scheme : K																							
Sr No	Course Title	Abbreviation	Course Type	Course Code	Total IKS Hrs for Sem.	Learning Scheme			Credits	Paper Duration (hrs.)	Assessment Scheme												
						Actual Contact Hrs./Week					Self Learning (Activity/Assignment /Micro Project)	Notional Learning Hrs/Week	Theory			Based on LL & TL			Based on Self Learning	Total Marks			
						CL	TL	LL					FA-TH Max	SA-TH Max	Total	FA-PR Max	SA-PR Min	SLA Max			Min		
<b>(All Compulsory)</b>																							
1	BASIC MATHEMATICS	BMS	AEC	311302	6	4	2	-	2	8	4	3	30	70	100	40	-	-	-	25	10	125	
2	COMMUNICATION SKILLS (ENGLISH)	ENG	AEC	311303	-	3	-	2	1	6	3	3	30	70	100	40	25	10	-	-	25	10	150
3	BASIC SCIENCE	BSC	DSC	311305	4	2	-	2	1	10	5	1.5	30	70*#	100	40	25	10	25@	10	25	20	250
	CHEMISTRY					2	-	2	1								25	10	25@	10	25		
4	FUNDAMENTALS OF ICT	ICT	SEC	311001	-	1	-	2	1	4	2	-	-	-	-	-	25	10	25@	10	25	10	75
5	ENGINEERING WORKSHOP PRACTICE (COMPUTER GROUP)	WPC	SEC	311002	-	-	-	4	-	4	2	-	-	-	-	-	50	20	50@	20	-	-	100
6	YOGA AND MEDITATION	YAM	VEC	311003	1	-	-	1	1	2	1	-	-	-	-	-	25	10	-	-	25	10	50
7	ENGINEERING GRAPHICS (Electronics, Computer and allied branches)	EGP	DSC	311008	2	2	-	4	-	6	3	-	-	-	-	-	50	20	50@	20	-	-	100
<b>Total</b>					<b>13</b>	<b>14</b>	<b>2</b>	<b>17</b>	<b>7</b>		<b>20</b>		<b>90</b>	<b>210</b>	<b>300</b>		<b>225</b>	<b>175</b>		<b>150</b>		<b>850</b>	

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					FA-TH		SAT-H	Total	FA-PR		SA-PR	SLA	
						Max	Max	Max					Max	Min	Max	Min	Max	Min	Max	Min	
						Max	Max	Max					Max	Min	Max	Min	Max	Min	Max	Min	
						Max	Max	Max					Max	Min	Max	Min	Max	Min	Max	Min	
						Max	Max	Max					Max	Min	Max	Min	Max	Min	Max	Min	
						Max	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.\* 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 various project, assignments, laboratory 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)

♦ For the course Basic Science - candidate will have to appear for pre-examination of both physics & chemistry. If absent in any one section (physics / chemistry) student will be declared as absent & fail for the course and marks will not be processed or carried forward.