

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

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

Programme Name : <b>Diploma In Artificial Intelligence / Artificial Intelligence and Machine Learning / Data Sciences</b>																								
Programme Code : <b>AI / AN / DS</b>					With Effect From Academic Year			: <b>2023-24</b>																
Duration Of Programme : <b>6 Semester</b>					Duration			: <b>16 WEEKS</b>																
Semester : <b>Third</b> NCrF Entry Level : <b>3.5</b>					Scheme			: <b>K</b>																
Sr No	Course Title	Abbreviation	Course Type	Course Code	Total IKS Hrs for Sem.	Learning Scheme			Credits	Paper Duration (hrs.)	Assessment Scheme								Based on Self Learning	Total Marks				
						Actual Contact Hrs./Week		Self Learning (Activity/ Assignment /Micro Project)			Notional Learning Hrs /Week	Theory			Based on LL & TL									
						CL	TL					LL	FA-TH		SA-TH	Total	FA-PR				SA-PR	SLA		
						Max	Max					Max	Min	Max	Min	Max	Min	Max			Min	Max	Min	
<b>(All Compulsory)</b>																								
1	DATABASE MANAGEMENT SYSTEM	DMS	DSC	313302	-	3	1	4	2	10	5	3	30	70	100	40	50	20	25#	10	25	10	200	
2	DIGITAL TECHNIQUES	DTE	DSC	313303	-	3	-	2	1	6	3	3	30	70	100	40	25	10	25#	10	25	10	175	
3	DATA STRUCTURE USING PYTHON	DSP	DSC	313306	-	3	-	4	1	8	4	3	30	70	100	40	25	10	25@	10	25	10	175	
4	STATISTICAL MODELLING FOR MACHINE LEARNING	SML	DSC	313307	-	3	1	4	2	10	5	3	30	70	100	40	25	10	50@	20	25	10	200	
5	ESSENCE OF INDIAN CONSTITUTION	EIC	VEC	313002	-	1	-	-	1	2	1	-	-	-	-	-	-	-	-	-	-	50	20	50
6	DATA STORY TELLING AND VISUALIZATION	DST	DSC	313004	-	2	-	2	-	4	2	-	-	-	-	-	25	10	25@	10	-	-	-	50
<b>Total</b>					<b>15</b>	<b>2</b>	<b>16</b>		<b>7</b>		<b>20</b>		<b>120</b>	<b>280</b>	<b>400</b>		<b>150</b>		<b>150</b>		<b>150</b>		<b>850</b>	

**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 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)