

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

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

Programme Name		: Diploma In Artificial Intelligence / Artificial Intelligence and Machine Learning																							
Programme Code		: AI / AN										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					FA-TH	SA-TH	Total	Practical		SLA							
																FA-PR	SA-PR	Max	Min	Max	Min				
<b>(All Compulsory)</b>																									
1	OPERATING SYSTEM	OSY	DSC	315319	-	5	-	2	2	9	3	3	30	70	100	40	25	10	25@	10	25	10	175		
2	AI & ML ALGORITHM	AMA	DSE	315330	-	4	-	4	1	9	3	3	30	70	100	40	25	10	25@	10	25	10	175		
3	ENTREPRENEURSHIP DEVELOPMENT AND STARTUPS	ENDS	AEC	315002	-	1	-	2	-	3	1	-	-	-	-	-	50	20	25@	10	-	-	75		
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		
<b>Elective 1 (Any - One)</b>																									
6	ADVANCE DATABASE MANAGEMENT	ADM	DSE	315324	-	4	-	2	-	6	2	3	30	70	100	40	25	10	25#	10	-	-	150		
	CLOUD COMPUTING FOR DATA SCIENCE	CCD	DSE	315327	-	4	-	2	-	6	2	3	30	70	100	40	25	10	25#	10	-	-	150		
	NATURAL LANGUAGE PROCESSING	NLP	DSE	315329	1	4	-	2	-	6	2	3	30	70	100	40	25	10	25#	10	-	-	150		
<b>Total</b>					<b>1</b>	<b>14</b>		<b>11</b>	<b>5</b>		<b>20</b>		<b>90</b>	<b>210</b>	<b>300</b>		<b>250</b>		<b>225</b>		<b>75</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	LL					FA-TH	SA-TH	Total	Practical		SLA				
																FA-PR	SA-PR	Max	Min	Max	Min	
Max	Max	Max	Min	Max	Min	Max	Min	Max	Min													
<p><b>Abbreviations :</b> 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><b>Legends :</b> @ Internal Assessment, # External Assessment, *# On Line Examination , @\$ Internal Online Examination</p> <p><b>Note :</b></p> <ol style="list-style-type: none"> <li>1. FA-TH represents average of two class tests of 30 marks each conducted during the semester.</li> <li>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.</li> <li>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.</li> <li>4. Notional Learning hours for the semester are (CL+LL+TL+SL)hrs.* 10 Weeks</li> <li>5. 1 credit is equivalent to 30 Notional hrs.</li> <li>6. * Self learning hours shall not be reflected in the Time Table.</li> <li>7. * Self learning includes micro project / assignment / other activities. <b>Note:</b> Notional learning hours for <b>internship represents the student engagement hours.</b></li> </ol> <p><b>Course Category :</b> 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)</p>																						