



# Maharashtra State Board of Technical Education, Mumbai

## Teaching and Examination Scheme for Post S.S.C. Diploma Courses

**Program Name : Diploma in Artificial Intelligence and Machine Learning**

**Program Code : AN**

**Duration of Program : 6 Semesters**

**Semester : Fifth**

**With Effect From Academic Year: 2021 – 22**

**Duration : 16 Weeks**

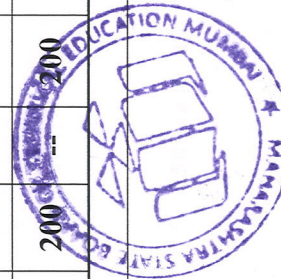
**Scheme : I**

**Pattern : Semester – Full Time**

S. N.	Course Title	Course Abbre- viation	Course Code	Teaching Scheme			Credit (L+T+P)	Examination Scheme												Grand Total	
				L	T	P		Theory						Practical							
								Exam Duration in Hrs.	ESE		FA		Total		ESE		PA		Total		
									Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	Max Marks		
1	Environmental Studies	EST	22447	3	-	-	3	90 Min	70*#	28	30*	0	100	40	--	--	--	--	100		
2	Operating System	OSY	22516	3	-	2	5	3	70	28	30*	0	100	40	25@	10	25	10	20	150	
3	Client Side Scripting Language	CSS	22519	3	-	2	5	3	70	28	30*	0	100	40	25#	10	25	10	20	150	
4	Functional AI & ML Algorithms	FAM	22593	3	-	2	5	3	70	28	30*	0	100	40	25@	10	25	10	20	150	
Elective (Any One)																					
5	Advanced Database Management Systems	ADM	22521	3	-	2	5	3	70	28	30*	0	100	40	25#	10	25	10	20	150	
	Cloud Computing for Data Science	CCD	22594																		
6	Industrial Training	ITR	22057	-	-	6	6	--	--	--	--	--	--	--	75#	30	75~	30	60	150	
7	Capstone Project Planning	CPP	22058	-	-	2	2	--	--	--	--	--	--	--	25@	10	25~	10	20	50	
Total				15	-	16	31	--	350	--	150	--	500	--	200	--	200	--	400	900	

Medium of Instruction: **English**

Student Contact Hours Per Week: **31 Hrs.**



**Theory and practical periods of 60 minutes each.**

**Total Marks : 900**

Abbreviations: ESE- End Semester Exam, PA- Progressive Assessment, L - Lectures, T - Tutorial, P - Practical

@ Internal Assessment, # External Assessment, \*# On Line Examination, ^ Computer Based Assessment

\* Under the theory PA, Out of 30 marks, 10 marks are for micro-project assessment to facilitate integration of COs and the remaining 20 marks is the average of 2 tests to be taken during the semester for the assessment of the cognitive domain LOs required for the attainment of the COs.

~ For the courses having ONLY Practical Examination, the PA marks Practical Part - with 60% weightage and Micro-Project Part with 40% weightage

**If Candidate not securing minimum marks for passing in the "PA" part of practical of any course of any semester then the candidate shall be declared as "Detained" for that semester.**

