Maharashtra State Board Of Technical Education, Mumbai

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

Programme Name	: Diploma In Artificial Intelligence and Machine Learning		
Programme Code	: AN	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	Abbrevation	Course Type	Course Code	Total IKS Hrs for Sem.	Actual Contact Hrs./Week			Self Learning (Activity/ Assignment /Micro Project)	Notional Learning Hrs /Week	Credits	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	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	BIG DATA ANALYTICS	BDA	DSC	316318	-	3	-	4	1	8	4	3	30	70	100	40	25	10	-	-	25	10	150
3	PRINCIPLES OF IMAGE PROCESSING	PIP	DSC	316319	-	3	-	-	1	4	2	3	30	70	100	40	-	-	-	-	25	10	125
4	MOBILE APPLICATION DEVELOPMENT	MAD	DSC	316006	-	2	-	4	2	8	4	-	-	-	-	-	25	10	25#	10	25	10	75
5	NETWORK MANAGMENT AND ADMINISTRATION	NMA	AEC	316007	-	2	-	4	-	6	3	-	-	-	-	-	25	10	25@	10	-	-	50
6	CAPSTONE PROJECT	CPE	INP	316004	-	-	-	2	2	4	2	-	-	-	-	-	50	20	50#	20	50	20	150
Elective 2 (Any - One)																							
7	ADVANCED ALGORITHM IN AI & ML	AAM	DSE	316320	-	3	-	2	1	6	3	3	30	70	100	40	25	10	25#	10	25	10	175
	DATA WAREHOUSING WITH MINING TECHNIQUES	DWM	DSE	316321	-	3	-	2	1	6	3	3	30	70	100	40	25	10	25#	10	25	10	175
	REINFORCEMENT LEARNING	RFL	DSE	316323	-	3	-	2	1	6	3	3	30	70	100	40	25	10	25#	10	25	10	175
	Total				1	16		16	8		20		120	280	400		150		125		175		850

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						CL	TL	LL					FA-TH	SA-TH	Total	Practical				SLA		
																FA-PR		SA-PR				
													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 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)