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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 / 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**		
Programme Code	**: AI / AN / BD / CM / CO / CW / DS / HA / IF / IH / SE**	**With Effect From Academic Year**	**: 2023-24**
Duration Of Programme	**: 6 Semester**	**Duration**	**: 16 WEEKS**
Semester	**: First NCrF Entry Level : 3.0**	**Scheme**	**: K**

Sr No	Course Title		Abbrevation	Course Type	Course Code	Total IKS Hrs for Sem.	Learning Scheme: Actual Contact Hrs./Week CL	TL	LL	Self Learning (Activity/ Assignment /Micro Project)	Notional Learning Hrs /Week	Credits	Assessment Scheme: Paper Duration (hrs.)	Theory FA-TH Max	SA-TH Max	Total Max	Total Min	Based on LL & TL Practical FA-PR Max	FA-PR Min	SA-PR Max	SA-PR Min	Based on Self Learning SLA Max	SLA Min	Total Marks
(All Compulsory)																								
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	PHYSICS	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
Total						**13**	**14**	**2**	**17**	**7**		**20**		**90**	**210**	**300**		**225**		**175**		**150**		**850**

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						Actual Contact Hrs./Week			Self Learning (Activity/ Assignment /Micro Project)	Notional Learning Hrs /Week		Paper Duration (hrs.)	Theory				Based on LL & TL Practical				Based on Self Learning		Total Marks
						CL	TL	LL					FA-TH	SA-TH	Total		FA-PR		SA-PR		SLA		
													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)
♦ 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.

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Programme Code : AI / AN / BD / CM / CO / CW / DS / HA / IF / IH / SE **With Effect From Academic Year** : 2023-24

Duration Of Programme : 6 Semester **Duration** : 16 WEEKS

Semester : Second **NCrF Entry Level** : 3.0 **Scheme** : K

Sr No	Course Title	Abbrevation	Course Type	Course Code	Total IKS Hrs for Sem.	Learning Scheme: Actual Contact Hrs./Week CL	TL	LL	Self Learning (Activity/ Assignment /Micro Project)	Notional Learning Hrs /Week	Credits	Assessment Scheme: Paper Duration (hrs.)	Theory FA-TH Max	SA-TH Max	Total Max	Total Min	Based on LL & TL Practical FA-PR Max	FA-PR Min	SA-PR Max	SA-PR Min	Based on Self Learning SLA Max	SLA Min	Total Marks
(All Compulsory)																							
1	APPLIED MATHEMATICS	AMS	AEC	312301	2	3	1	-	-	4	2	3	30	70	100	40	-	-	-	-	-	-	100
2	BASIC ELECTRICAL AND ELECTRONICS ENGINEERING	BEE	AEC	312302	-	4	-	4	2	10	5	1.5	30	70*#	100	40	50	20	50@	20	50	20	250
3	PROGRAMMING IN C	PIC	AEC	312303	-	4	1	4	1	10	5	3	30	70	100	40	50	20	50#	20	25	10	225
4	LINUX BASICS	BLP	DSC	312001	-	2	-	2	-	4	2	-	-	-	-	-	25	10	25@	10	-	-	50
5	PROFESSIONAL COMMUNICATION	PCO	SEC	312002	-	-	-	2	-	2	1	-	-	-	-	-	25	10	25@	10	-	-	50
6	SOCIAL AND LIFE SKILLS	SFS	VEC	312003	-	-	-	-	2	2	1	-	-	-	-	-	-	-	-	-	50	20	50
7	WEB PAGE DESIGNING	WPD	SEC	312004	-	2	-	4	2	8	4	-	-	-	-	-	50	20	50@	20	25	10	125
Total					**2**	**15**	**2**	**16**	**7**		**20**		**90**	**210**	**300**		**200**		**200**		**150**		**850**

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