Maharashtra State Board Of Technical Education, Mumbai
Learning and Assessment Scheme for Post S.S.C Diploma Courses

Programme Name	: Diploma In Automation and Robotics		
Programme Code	: AO	With Effect From Academic Year	: 2023-24
Duration Of Programme	: 6 Semester	Duration	: 16 WEEKS
Semester	: Third NCrF Entry Level : 3.5	Scheme	: K

Sr No	Course Title	Abbrevation	Course Type	Course Code	Total IKS Hrs for Sem.	Actual Contact Hrs./ Week CL	TL	LL	Self Learning (Activity/ Assignment /Micro Project)	Notional Learning Hrs / Week	Credits	Paper Duration (hrs.)	Theory FA-TH Max	SA-TH Max	Total Max	Min	FA-PR Max	Min	SA-PR Max	Min	SLA Max	Min	Total Marks
(All Compulsory)																							
1	DIGITAL TECHNIQUES	DTE	DSC	313303	-	3	-	2	1	6	3	3	30	70	100	40	25	10	25#	10	25	10	175
2	CONTROL SYSTEM & COMPONENTS	CSC	DSC	313329	-	4	-	2	-	6	3	3	30	70	100	40	25	10	25@	10	-	-	150
3	MEASUREMENTS & AUTOMATION BASICS	MAB	DSC	313330	-	4	-	4	2	10	5	3	30	70	100	40	25	10	25#	10	25	10	175
4	SENSOR TECHNOLOGY	STC	DSC	313331	2	4	-	2	2	8	4	3	30	70	100	40	25	10	-	-	25	10	150
5	ESSENCE OF INDIAN CONSTITUTION	EIC	VEC	313002	-	1	-	-	1	2	1	-	-	-	-	-	-	-	-	-	50	20	50
6	BASIC PYTHON PROGRAMMING	BPP	AEC	313011	-	2	-	2	-	4	2	-	-	-	-	-	25	10	25@	10	-	-	50
7	3D MODELLING & SIMULATION	SIM	SEC	313014	-	-	-	4	-	4	2	-	-	-	-	-	25	10	25@	10	-	-	50
	Total				2	18	0	16	6		20		120	280	400		150		125		125		800

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)