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
Duration Of Programme	: 6 Semester
Semester	: Sixth NCrF Entry Level : 4.0

With Effect From Academic Year	: 2023-24
Duration	: 16 WEEKS
Scheme	: K

Sr No	Course Title	Abbrevation	Course Type	Course Code	Total IKS Hrs for Sem.	Actual Contact Hrs./Week CL	Actual Contact Hrs./Week TL	Actual Contact Hrs./Week LL	Self Learning (Activity/ Assignment /Micro Project)	Notional Learning Hrs /Week	Credits	Paper Duration (hrs.)	Theory FA-TH Max	Theory SA-TH Max	Theory Total Max	Theory Total Min	Practical FA-PR Max	Practical FA-PR Min	Practical SA-PR Max	Practical SA-PR Min	SLA Max	SLA Min	Total Marks
(All Compulsory)																							
1	MANAGEMENT	MAN	AEC	315301	1	3	-	-	1	4	2	1.5	30	70*#	100	40	-	-	-	-	25	10	125
2	EMERGING TRENDS IN ELECTRONICS	ETE	DSC	316337	-	3	-	-	1	4	2	1.5	30	70*#	100	40	-	-	-	-	25	10	125
3	INDUSTRIAL INTERNET OF THINGS	IIT	DSC	316342	-	4	-	4	2	10	5	3	30	70	100	40	25	10	25#	10	25	10	175
4	INDUSTRIAL ROBOTICS AND APPLICATIONS	ARS	DSC	316343	-	4	-	4	2	10	5	3	30	70	100	40	25	10	-	-	25	10	150
5	CAPSTONE PROJECT	CPE	INP	316004	-	-	-	2	2	4	2	-	-	-	-	-	50	20	50#	20	50	20	150
ELECTIVE (Any - One)																							
6	DRONE TECHNOLOGY	DRT	DSE	316335	2	4	-	2	2	8	4	3	30	70	100	40	25	10	25#	10	25	10	175
	VLSI APPLICATIONS	VLS	DSE	316340	-	4	-	2	2	8	4	3	30	70	100	40	25	10	25#	10	25	10	175
	AR & VR	AVA	DSE	316344	1	4	-	2	2	8	4	3	30	70	100	40	25	10	25#	10	25	10	175
	Total				2	18		12	10		20		150	350	500		125		100		175		900

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)