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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 Electronics & Tele-communication Engg. / Electronics & Communication Engg. / Electronics Engineering / Industrial Electronics

Programme Code	: EJ / ET / EX / IE	**With Effect From Academic Year**	: 2023-24
Duration Of Programme	: 6 Semester	**Duration**	: 12 Weeks (Industry) + 10 Weeks (Institute)
Semester	: Fifth **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 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	Based on LL & TL Practical FA-PR Max	Based on LL & TL Practical FA-PR Min	Based on LL & TL Practical SA-PR Max	Based on LL & TL Practical SA-PR Min	Based on Self Learning SLA Max	Based on Self Learning SLA Min	Total Marks
(All Compulsory)																							
1	EMBEDDED SYSTEM	ESY	DSC	315338	-	5	-	2	2	9	3	3	30	70	100	40	25	10	25#	10	25	10	175
2	MOBILE & WIRELESS COMMUNICATION	MWC	DSC	315339	-	5	-	2	2	9	3	3	30	70	100	40	25	10	25#	10	25	10	175
3	ENTREPRENEURSHIP DEVELOPMENT AND STARTUPS	ENDS	AEC	315002	-	1	-	2	-	3	1	-	-	-	-	-	50	20	25@	10	-	-	75
4	SEMINAR AND PROJECT INITIATION COURSE	SPI	AEC	315003	-	-	-	1	2	3	1	-	-	-	-	-	25	10	25@	10	25	10	75
5	INTERNSHIP(12 WEEKS)	ITR	INP	315004	-	-	-	-	-	36 - 40	10	-	-	-	-	-	100	40	100#	40	-	-	200
other (Any - One)																							
6	ADVANCE POWER ELECTRONICS	APE	DSE	315340	-	4	-	2	-	6	2	3	30	70	100	40	25	10	25#	10	-	-	150
	IOT APPLICATIONS	IAU	DSE	315341	-	4	-	2	-	6	2	3	30	70	100	40	25	10	25#	10	-	-	150
	MICROWAVE ENGINEERING & RADAR SYSTEM	MAR	DSE	315342	-	4	-	2	-	6	2	3	30	70	100	40	25	10	25#	10	-	-	150
Total						15		9	6		20		90	210	300		250		225		75		850

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
																	Practical						
						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.* 10 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.

Note: Notional learning hours for **internship represents the student engagement hours.**

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)