



Maharashtra State Board of Technical Education, Mumbai
Teaching And Examination Scheme For Post S.S.C. Diploma Courses

Program Name : Diploma in Instrumentation / Diploma in Instrumentation & Control

Program Code : IS / IC **With Effect From Academic Year: 2017 - 18**

Duration of Program : 6 Semesters **Duration : 16 Weeks**

Semester : Fourth **Scheme - I**

S. N.	Course Title	Course Abbreviation	Course Code	Teaching Scheme			Credit (L+T+P)	Examination Scheme												Grand Total	
				L	T	P		Theory						Practical							
								ESE		PA		ESE		PA		ESE		PA			
								Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	Max Marks			
1	Linear Integrated Circuits	LIC	22423	4	-	2	6	3	70	28	30*	00	100	40	25#	10	25	10	50	20	150
2	Microcontroller and Applications	MAA	22426	4	-	2	6	3	70	28	30*	00	100	40	25#	10	25	10	50	20	150
3	Basic Power Electronics	BPE	22427	3	-	2	5	3	70	28	30*	00	100	40	25@	10	25	10	50	20	150
4	Industrial Transducers	ITR	22432	4	2	4	10	3	70	28	30*	00	100	40	50#	20	50	20	100	40	200
5	VB.net Elementary Programming	VBN	22037	2	-	2	4	--	--	--	--	--	--	--	25@	10	25~	10	50	20	50
Total				17	2	12	31	--	280	--	120	--	400	--	150	--	300	--	700	--	700

Student Contact Hours Per Week: **31 Hrs.**

Medium of Instruction: **English**

Theory and practical periods of 60 minutes each.

Total Marks : **700**

Abbreviations: ESE- End Semester Exam, PA- Progressive Assessment, L - Lectures, T - Tutorial, P - Practical
@ Internal Assessment, # External Assessment, *# On Line Examination, ^ Computer Based Assessment

* Under the theory PA, Out of 30 marks, 10 marks are for micro-project assessment to facilitate integration of COs and the remaining 20 marks is the average of 2 tests to be taken during the semester for the assessment of the cognitive domain LOs required for the attainment of the COs.

~ For the courses having ONLY Practical Examination, the PA marks Practical Part - with 60% weightage and Micro-Project Part with 40% weightage

➤ **If Candidate not securing minimum marks for passing in the "PA" part of practical of any course of any semester then the candidate shall be declared as "Detained" for that semester.**

➤ **In-Plant Training during Summer vacation for minimum Six Weeks at the end of Fourth Semester (Second Year).**

