



**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 Abbrviation	Course Code	Teaching Scheme			Credit (L+T+P)	Examination Scheme												Grand Total
				L	T	P		Theory						Practical						
								ESE		PA		Total		ESE		PA		Total		
								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	70	28	30*	00	100	40	25#	10	25	10	50	20	150
2	Microcontroller and Applications	MAA	22426	4	-	2	6	70	28	30*	00	100	40	25#	10	25	10	50	20	150
3	Basic Power Electronics	BPE	22427	3	-	2	5	70	28	30*	00	100	40	25@	10	25	10	50	20	150
4	Industrial Transducers	ITR	22432	4	2	4	10	70	28	30*	00	100	40	50#	20	50	20	100	40	200
5	VB.net Elementary Programming	VBNI	22037	2	-	2	4	--	--	--	--	--	--	25@	10	25~	10	50	20	50
<b>Total</b>				<b>17</b>	<b>2</b>	<b>12</b>	<b>31</b>	<b>280</b>	<b>--</b>	<b>120</b>	<b>--</b>	<b>400</b>	<b>--</b>	<b>150</b>	<b>--</b>	<b>300</b>	<b>--</b>	<b>700</b>	<b>--</b>	<b>700</b>

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).**

