



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

**Program Name : Diploma in Industrial Electronics**

**Program Code : IE**

**Duration of Program : 6 Semesters**

**With Effect From Academic Year: 2017 - 18**

**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		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		Min Marks	
1	Industrial Measurement	IME	22420	3	-	2	5	3	70	28	30*	00	100	40	25@	10	25	10	50	20	150
2	Linear Integrated Circuits	LIC	22423	4	-	2	6	3	70	28	30*	00	100	40	25#	10	25	10	50	20	150
3	Microcontroller and Applications	MAA	22426	4	-	2	6	3	70	28	30*	00	100	40	25#	10	25	10	50	20	150
4	Basic Control System	BCS	22429	3	-	2	5	3	70	28	30*	00	100	40	25@	10	25	10	50	20	150
5	Applied Power Electronics	APE	22430	4	-	2	6	3	70	28	30*	00	100	40	25#	10	25	10	50	20	150
6	Electric Machines and Transformers	EMT	22431	4	-	2	6	3	70	28	30*	00	100	40	25@	10	25	10	50	20	150
<b>Total</b>				<b>22</b>	<b>-</b>	<b>12</b>	<b>34</b>	<b>--</b>	<b>420</b>	<b>--</b>	<b>180</b>	<b>--</b>	<b>600</b>	<b>--</b>	<b>150</b>	<b>--</b>	<b>300</b>	<b>--</b>	<b>900</b>		

Student Contact Hours Per Week: 34 Hrs.

Medium of Instruction: English

**Theory and practical periods of 60 minutes each.**

Total Marks : 900

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 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).**

