



**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**

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

**Duration of Program : 6 Semesters**

**Duration : 16 Weeks**

**Semester : Fifth**

**Scheme : I**

S. N.	Course Title	Course Abbreviation	Course Code	Teaching Scheme			Credit (L+T+P)	Examination Scheme												Grand Total			
				L	T	P		Theory			ESE			PA			ESE				PA		
								Exam Duration in Hrs.	Max Marks	Min Marks	Max Marks	Min Marks	Total Marks	Max Marks	Min Marks	Total Marks	Max Marks	Min Marks	Total Marks		Max Marks	Min Marks	Total Marks
1	Environmental Studies	EST	22447	3	-	-	3	90 Min	70*#	28	30*	00	100	40	--	--	--	--	--	100			
2	Microcontroller and Application	MAA	22537	4	-	2	6	3	70	28	30*	00	100	40	25#	10	25	10	50	20	150		
3	AC and DC Drives	ADD	22538	4	2	2	8	3	70	28	30*	00	100	40	25#	10	25	10	50	20	150		
4	Data Communication Techniques	DCT	22539	3	-	2	5	3	70	28	30*	00	100	40	25@	10	25	10	50	20	150		
5	Power Electronics in Wind and Solar System	PEW	22540	4	-	2	6	3	70	28	30*	00	100	40	25@	10	25	10	50	20	150		
6	Industrial Training	ITR	22049	-	-	6	6	--	--	--	--	--	--	--	75#	30	75~	30	150	60	150		
7	Capstone Project Planning	CPP	22050	-	-	2	2	--	--	--	--	--	--	--	25#	10	25~	10	50	20	50		
<b>Total</b>				<b>18</b>	<b>2</b>	<b>16</b>	<b>36</b>	<b>--</b>	<b>350</b>	<b>--</b>	<b>150</b>	<b>--</b>	<b>500</b>	<b>--</b>	<b>200</b>	<b>--</b>	<b>400</b>	<b>--</b>	<b>900</b>				

Student Contact Hours Per Week: **36 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 course of any semester then the candidate shall be declared as "Detained" for that semester.**
- **Evaluation of Industrial Training and its reports is to be done during this semester. Credit of Industrial Training will not affect the framing of time table.**

