Ahmednagar Jilha Maratha Vidya Prasarak samaj's,

Shri Mulikadevi Mahavidyalaya, Nighoj

Tal – Parner, Dist- Ahmednagar
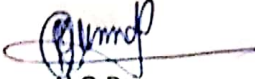
Department Of Physics & Electronics
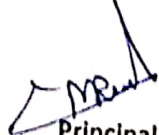
Certificate course - PCB Designing

Year: 2019-20

Ch. No.	Syllbus	Theory Period	Practical period	Total Period
1	Basics of ckt and PCB designing			
	Introduction to component			
	1.1 Types of component(active & passive)			
	1.2 component package types			
	1.3 selection of component			
	1.4 circuit design	6	8	14
	1.5 PCB desing			
	1.6 methods of PCB design			
	1.7 PCB design rule			
	1.8 PCB design steps			
2	PCB design software deatail for schematic			
	2.1 Beginning a new schematic			
	2.2 placing Item , symbols, labeling of component			
	2.3 editing the schematic	6	8	14
	2.4 crating new component and working with sheets and ports			
	2.5 cheking the schematic for error			
3	PCB design software deatail for layout			
	3.1 Linking the schematic and PCB			
	3.2 Beginning a New Layout			
	3.3 Placing Items in the layout			
	3.4 Editing the Layout	6	8	14
	3.5 changing the board's, perimeter, creating new component, keyboard shortcuts			
4	Error checking documentation and Hands on training			
	4.1 Design rule check			
	4.2 Design for manufacturing	6	8	14
	4.3 Bill of material			
	4.4 finding & troubleshooting error in layout			
	Total	24	32	56

Coordinator

H.O.D
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Principal
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