

## TEACHING PLAN FOR THEORY

**Subject Teacher: ShubhangiLohakpure**

Subject: Basic Electronics Engineering		Class:E Branch: F.Y.B.Tech		Year 2017-2018	
Lecture No	Scheduled Date	Date of Conduction	Topics to be covered on the scheduled date	Deviation If any	
1			Syllabus Discussion, Discussion on course objective & course outcome		
<b>Unit-I: Diode Circuits</b>					
2	30/7/18		Half wave rectifier,		
3	2/8/18		D.C Regulated Power supply		
4	6/8/18		Diode application: clipper, Clamper.		
5	9/8/18		LED Diodes and Photodiode		
<b>Unit-II: BJT circuits</b>					
6	13/8/18		BJT structure operation with normal biasing		
7	<b>16/8/18</b>		DC operating point		
8	18/8/18		DC load line analysis in various operating region of BJT		
9	20/8/18		Transistor as an amplifier in CE mode		
10	20/8/18		Transistor as a switch.		
<b>Unit-III: Linear Integrated Circuit</b>					
11	27/8/18		Introduction to Op-Amp, Op-amp input modes and parameters		
13	30/8/18		Op-Amp with negative feedback: summing amplifier		

14	3/9/18		integrator, and differentiator	
15	6/9/18		Numerical Practice (TAE 2)	
<b>Unit – IV: Basic Digital Electronics</b>				
16	5/9/18		Introduction to logic gates with their truth table, Boolean algebra	
17	10/9/18		D Morgan’s Law, Simplification of logical expressions	
18	15/9/18		Sum of product & product of sum,	
19	15/9/18		Implementation of SOP on Karnaugh map and solving technique.	
20	17/9/18		Implementation of expression with basic gates.	
21	20/9/18		Introduction to logic gates with their truth table, Boolean algebra	
<b>Unit – V : Digital Electronics Fundamental</b>				
22	27/9/18		Number system: Binary (TAE-3)	
23	1/10/18		Gray, octal, Hex	
24	4/10/18		Half adder, Full Adder	
25	8/10/18		Mux, Demux.	
<b>Unit – VI :Transducers</b>				
26	11/10/18		Introduction to Transducer, Thermocoupleand its application in Digital thermometer	
27	15/10/18		Thermocoupleand its application in Digital thermometer (TAE-5)	
28	22/10/18		RTD, Thermistor	
29	22/10/18		load cell weighing machine.	

30	29/10/18		Revision( TAE -7)	
----	----------	--	-------------------	--