

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	Topics to be covered on the scheduled date
1	17/07/2017	Syllabus Discussion, Discussion on course objective & course outcome
Unit-I: Diode Circuits		
2	21/07/2017	Half wave rectifier,
3	24/7/2017	D.C Regulated Power supply
4	28/07/2017	Diode application: clipper, Clamper.
5	7/08/2017	LED Diodes and Photodiode
Unit-II: BJT circuits		
6	11/08/2017	BJT structure operation with normal biasing
	11/08/2017	DC operating point
7	14/08/2017	DC load line analysis in various operating region of BJT
8	18/08/2017	Transistor as an amplifier in CE mode
	18/08/2017	Transistor as a switch.
Unit-III: Linear Integrated Circuit		
9	28/08/2017	Introduction to Op-Amp, Op-amp input modes and parameters

10	01/09/2017	Op-Amp with negative feedback: summing amplifier
11	04/09/2017	integrator, and differentiator
12	08/09/2017	IC555 as a astablemultivibrator
Unit - IV: Basic Digital Electronics		
13	11/09/2017	Introduction to logic gates with their truth table, Boolean algebra
14	11/09/2017	D Morgan's Law, Simplification of logical expressions
15	15/09/2017	Sum of product & product of sum,
	15/09/2017	Implementation of SOP on Karnaugh map and solving technique.
16	18/09/2017	Implementation of expression with basic gates.
	18/09/2017	Introduction to logic gates with their truth table, Boolean algebra
Unit - V : Digital Electronics Fundamental		
17	25/09/2017	Number system: Binary
18	29/09/2017	Gray, octal, Hex
19	6/10/2017	Half adder, Full Adder
20	09/10/2017	Mux, Demux.
Unit - VI :Transducers		
21	13/10/2017	Introduction to Transducer, Thermocoupleand its application in Digital thermometer

22	16/10/2017	RTD, Thermistor
23	16/10/2017	load cell weighing machine.