

TEACHING PLAN FOR THEORY

Subject Teacher: ShubhangiLohakpure

Subject: Basic Electronics Engineering		Class: F Branch: F.Y.B.TechYear 2017-2018
Lecture No	Scheduled Date	Topics to be covered on the scheduled date
1	19/07/2017	Syllabus Discussion, Discussion on course objective & course outcome
Unit-I: Diode Circuits		
2	24/7/2017	Half wave rectifier,
3	28/07/2017	D.C Regulated Power supply
4	02/08/2017	Diode application: clipper, Clamper.
5	04/08/2017	LED Diodes and Photodiode
Unit-II: BJT circuits		
6	09/08/2017	BJT structure operation with normal biasing
	09/08/2017	DC operating point
7	11/08/2017	DC load line analysis in various operating region of BJT
8	16/08/2017	Transistor as an amplifier in CE mode
	16/08/2017	Transistor as a switch.
Unit-III: Linear Integrated Circuit		
9	18/08/2017	Introduction to Op-Amp, Op-amp input modes and parameters

10	30/08/2017	Op-Amp with negative feedback: summing amplifier
11	01/09/2017	integrator, and differentiator
12	06/09/2017	IC555 as a astablemultivibrator
Unit – IV: Basic Digital Electronics		
13	08/09/2017	Introduction to logic gates with their truth table, Boolean algebra
14	13/09/2017	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	20/09/2017	Implementation of expression with basic gates.
	20/09/2017	Introduction to logic gates with their truth table, Boolean algebra
Unit – V : Digital Electronics Fundamental		
17	27/09/2017	Number system: Binary
18	04/10/2017	Gray, octal, Hex
19	6/10/2017	Half adder, Full Adder
20	11/10/2017	Mux, Demux.
Unit – VI :Transducers		
21	13/10/2017	Introduction to Transducer, Thermocoupleand its application in Digital thermometer

22	18/10/2017	RTD, Thermistor
23	18/10/2017	load cell weighing machine.