

GOVERNMENT GIRLS POLY TECHNIC BHILAI
DEPARTMENT OF ELECTRONICS
LESSON PLAN
 Session : Jan-June 2020

Course Name : Analog Electronic Circuit – II
 Subject Code : 2028474(028)
 Name of Subject teacher : SUMEET KUMAR DEWANGAN
 Lecture plus Tutorial/Week : 3
 Total Period Planned : 40

Course Outcome	Topics Covered	No. of Periods
CO 1 Test the parameters of an Operational Amplifier (OP-AMP) IC.	Differential amplifier principle	2
	OP-AMP block diagram	2
	Ideal characteristics	1
	Equivalent circuit of OP-AMP	1
	Virtual ground concept	1
	IC packages and configuration	1
	Pin configuration and datasheet	1
	Gain, input and output resistance	1
	CMRR, slew rate, bandwidth	1
	Offset voltage and current	1
CO 2 Use OP-AMP for various linear and non-linear applications.	Inverting amplifier	2
	Non inverting amplifier	1
	Voltage follower	1
	Scaling amplifier	1
	Adder and subtractor	2
	Integrator and differentiator	2
	Log amplifier	1
	Instrumentation amplifier	1
	Sample and hold circuit	1
	Precision rectifier	1
CO 3 Maintain OP-AMP based active filters and oscillators used in electronic circuits.	Active filter concept	1
	Frequency response characteristics	1
	Filter parameters	1



