ANURAG ENGINEERING COLLEGE

(**An Autonomous Institution**)

III Year B.Tech. (ECE), I Semester **L T/P/D C**

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(EC512PC) LINEAR AND DIGITAL IC APPLICATIONS LAB

Note: Minimum 12 experiments should be conducted.

TO VERIFY THE FOLLOWING FUNCTIONS

1. IC 741 OP AMP Applications – Adder, Subtractor, Comparator.
2. Integrator and Differentiator Circuits using IC 741.
3. Active Filter Applications – LPF, HPF (Second order)
4. RC Phase shift and Wein Bridge Oscillator using 741 Op-Amp
5. IC 555 Timer in Monostable Operation
6. Schmitt Trigger Circuits Using IC 741 & IC555
7. Voltage Regulator using IC 723, Three Terminal Voltage Regulators - 7805, 7809, 7912.

TO VERIFY THE FUNCTIONS OF FOLLOWING 74 SERIES TTL ICs

8. D Flip Flop (74LS74) and JK Master Slave Flip Flop (74LS73)
9. Universal Shift Register-74LS194/195
10. 3-8 Decoder-74LS138
11. Design of 4 bit binary to gray code converter
12. 4 bit Comparator 74LS85
13. 8X1 Multipler-74151 and 1X4 Demultiplexer-74155.
14. BCD to Seven segment Decoder 7490-7447