



# **PULSE & LINEAR INTEGRATED CIRCUITS**

## **COURSE OBJECTIVES:**

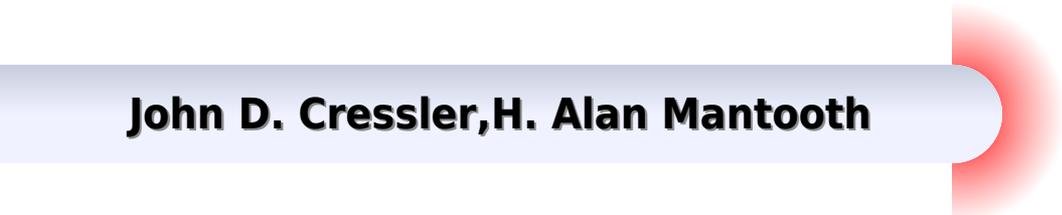
- Analyze the behavior of linear and non linear wave shaping circuits.
- Analyze and design of Multivibrators.
- Understand the operation of OP-AMP and its internal circuits.
- Analyze the applications of OP-AMP and 555 Timer.
- 5.Explain the operation of various data converter circuits and PLL.

## **COURSE OUTCOMES:**

- Construct different linear and non linear networks and analyse their response to different input signals.
- Understand, analyse and design multivibrators and sweep circuits using transistors.
- Analyse DC characteristics and AC characteristics for single/Dual input Balanced/Unbalanced output configurations using BJTs and OP-AMP.
- Distinguish various linear and nonlinear applications of OP-AMP.
- Demonstrate the various applications of 555 Timer and analyse the operation of the D/A and A/D converters.

# Pulse Linear Integrated Circuits

**John D. Cressler, H. Alan Mantooth**



## **Pulse Linear Integrated Circuits:**

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