

**Course Name:** Analog ICs

**Faculty Name:** Prof. Radhakrishna Rao

**Institute Name:** IIT Madras

Basic Building Blocks In Analog ICs, Current Mirrors, Translinear Networks, Differential Amplifier, Differential Amplifier Characteristics, Video Amplifier and RF/IF Amplifiers, Cascade Amplifier, IC Negative Feedback Wide Band Amplifiers, IC Negative Feedback Amplifiers, Voltage Sources And References, IC Voltage Regulator, Characteristics and Parameters Of Voltage, Protection Circuitry For Voltage Regulator, Switched Mode Regulator And Operational, IC Operational Voltage Amplifier, General Purpose Operational Amplifier-747, Transconductance Operational Amplifier, Audio Power Amplifier and Norton's Amplifier, Analog Multipliers, Analog Multipliers, Voltage Controlled Oscillator, Self Tuned Filter, Phase Locked Loop<sup>24</sup> Phase Locked Loop, Phase Locked Loop, Phase Locked Loop, Phase Locked Loop, Current Mode ICs