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Course Co-ordinated by IIT Roorkee

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[Dr. Pramod Agarwal](#)
IIT Roorkee

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Operational Amplifiers, Difference Amplifiers, Biasing of Differential Amplifiers, Practical Operational Amplifier, Parameters of an OPAMP, Open loop OPAMP Configuration, Closed Loop Amplifier, Voltage Shunt Feedback.

Module 2: OPAMP Applications

Applications of Operational Amplifiers, Filters and Precision Diode, Schmitt Trigger and Relaxation Oscillator.

Module 3: Oscillator

Oscillators, Harmonic Oscillators, Tuned Oscillators.

Module 4: Voltage Regulators

Voltage Regulators, Design of Series Voltage Regulator, Series regulator with Current Pre-regulator.

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