



K.S.RANGASAMY COLLEGE OF TECHNOLOGY, TIRUCHENGODE - 637215

Department of Electronics and Communication Engineering

MODE OF CONTENT DELIVERY- SEMINAR

Batch : 2023-2027 Date of Activity : 31-01-2025
Course Code : 60 EC 402 Academic Year : 2024-25 (EVEN)
Course Name : Linear Integrated Circuits Year / Sem / Sec : II/IV/B
Name of the Course : Mr.A.Balachandran
Instructor
Module : Circuit Configuration for Linear IC's

S.No	Topic	Objective	Student participation	Outcome
1.	Slew rate and Methods of improving slew rate	To provide students with a clear understanding of slew rate in electronic circuits, particularly in operational amplifiers (op-amps). The session will cover the significance of slew rate, its impact on circuit performance, and various methods to enhance it.	<ul style="list-style-type: none">• Students were given a short pre-read on slew rate basics to familiarize themselves with key concepts.• Students shared their insights, allowing for peer learning and clarification of doubts.• Group Discussion & Reflection• Each group summarized key takeaways and wrote a brief reflection on:• The most effective method to improve slew rate.• The trade-offs they would consider when designing high-speed circuits.	Students Gained Conceptual Clarity on Slew Rate, Understood the Factors Affecting Slew Rate, Identified Real-World Applications, Learnt the Methods to Improve Slew Rate, Developed the Ability to Select Suitable Op-Amps and Gained Practical Circuit Optimization Skills

Video Link: <https://youtu.be/zqrEFq6BXKg>

Feedback Link: <https://forms.gle/UNsjmJVGKx3Lx9LB9>

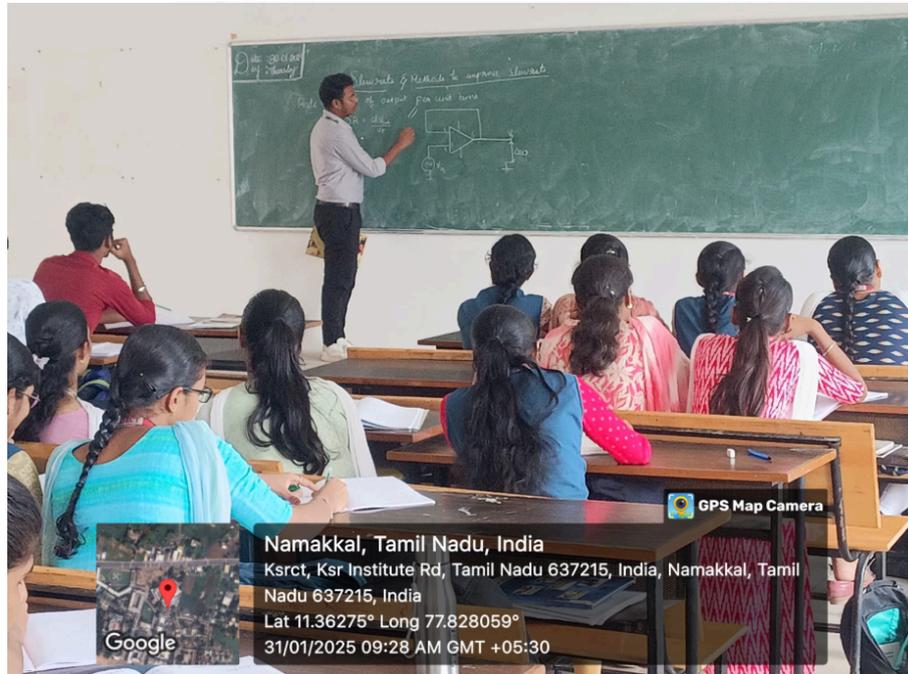
Google sheet

Link: <https://docs.google.com/spreadsheets/d/19mKyDskmagAxHfkq0nZDfkPU9enDlne0gvcEbiRW6C0/edit?usp=sharing>



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Course Instructor

Course Coordinator/Module Coordinator

HoD/ECE