

10	Mr.E.Chandrasekhar	Comparators	Data Converters	Brownbag Approach
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Name of the Subject: CMOS Data Converters

Name of the Innovative teaching methodology employed: Brown bag approach

Name of the Topics: Comparators

Name of the Faculty: Sri E.Chandrasekhar

IDEA: A bag is filled with papers having different topics of the subject written on them. Each student is asked to pick a paper of his/her choice. And they are given an opportunity to explain it.

IMPLEMENTATION: The following topics are written on paper, and kept in bag.

- Basic op-map comparator
- Input offset voltage errors
- Charge Injection errors
- Fully Differential Comparator
- Multistage comparator

OUTCOME: This allows students to experience a real time exchange of knowledge.

Step1: Students are asked to pick a paper of his/her choice from the bag.



Step 2: They have given presentation on the topics they picked from the bag



