



## AUTONOMOUS

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Accorded 'A' grade by Govt. of AP, Recognized by UGC 2(f) & 12(B),  
ISO 9001:2015 certified Institution, Approved with 'A+' Grade by NAAC

Department of  
**Electronics and Communication Engineering**  
(ACADEMIC YEAR: 2021-22)

## REPORT ON BRIDGE COURSE

**Title** : Analysis & Design of Differential Amplifiers

**Date** : 21-10-2021

**Branch** : ECE

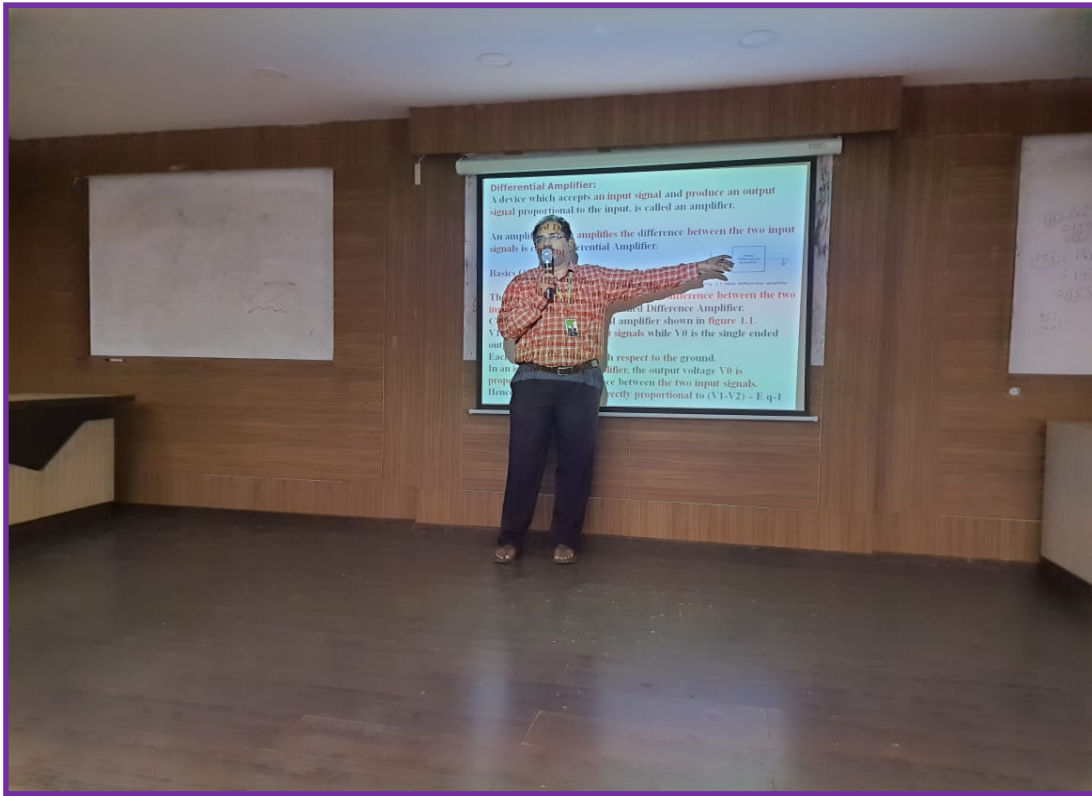
**Year/Sem:** III / I

Department of ECE conducted a bridge course entitled "**Analysis & Design of Differential Amplifiers**" for III-B.Tech ECE students on **21/10/2021**. The course was conducted for one day from 9:00AM to 12:40PM and from 2:00PM to 5:00PM. The entire course was handled by **Dr. M. Chandra Mohan Reddy**, Professor of ECE department. The objective of this course is to design a differential amplifier using different topologies.

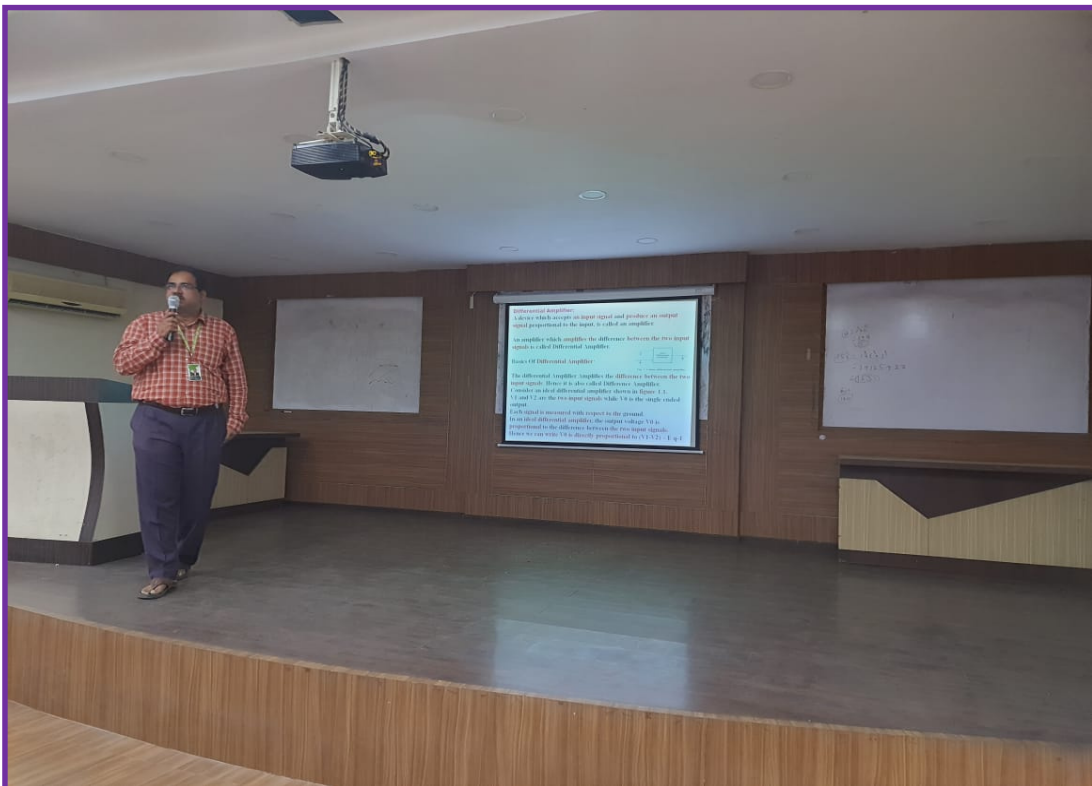
### The topics covered under this bridge course are:

- Common mode gain
- How the amplifier developed?
- Classification based on no of inputs & outputs
- D.C analysis of differential amplifiers
- A. C. analysis of differential amplifiers
- Properties of differential amplifiers
- Common mode operations

- Circuits for improving CMRR
- Basic information of operational amplifiers



**Resource Person Dr. M. Chandra Mohan Reddy, Professor of ECE department**



**Resource person explaining about Differential amplifiers**



*Students understanding the procedure to design various amplifiers*

In this course **Dr. M. Chandra Mohan Reddy**, Professor of ECE department explained the importance of IC technology, various types of differential amplifiers, how to improve Common Mode Rejection Ratio, basic properties of in A.C & D. C analysis etc.. Nearly 100 students from III ECE were benefited.