Course Type	Course Code	Name of the Course	L	Т	Р	Credits
DP	<b>EEC272</b>	Analog and Digital Electronics Lab.	0	0	2	2

## **Course Objective**

The objective of this lab is to introduce undergraduate students to the basic practical aspects of analog and digital circuits.

## Learning Outcomes

Upon successful completion of this course, students will develop:

- an ability to identify different analog and digital circuit components.
- an idea about the working of different analog and digital circuits.

Unit No.	Topics to be Covered	Laboratory Hours	Learning Outcome
1	Experiments on operational amplifiers	2x2	Students will learn working of different operational amplifiers.
2	Experiments on power amplifiers	2x2	Students will learn working of different power amplifiers.
3	Experiments on logic gates	2x2	Students will learn working of different logic gates.
4	Experiments on sequential circuits	2x2	Students will learn working of different flip-flops.
5	Experiments on 555 timer circuits	2x2	Students will learn working of different 555 timer circuits.

## **Text Books**

1. Integrated Electronics by J. Millman, C. Halkias C.D. Parikh

2. Digital Logic And Computer Design by M. Morris Mano

## **Reference Books**

1. Electronic Devices and Circuit Theory, R.L. Bollestad, 11th edn., Pearson publication.