**Basic Engineering Practices Lab (Electronics)**

**Introduction:**  
Warm Welcome to the Basic Engineering Practices Laboratory. It a core course in all Electronics and Electrical undergraduate curricula.

This course is basis for understanding the various types of signals and also on how to operate the instruments or IC to generate those waveforms.

The interactive experiments in this lab helps the students to learn the concepts effectively and efficiently.

**Objectives:**

- To provide an exposure for the students to gain experience on the usage of equipment and components and make measurements conveniently and efficiently.

- To assure students an efficient learning platform on study and usage of equipment/components and methods of measurements at ease.

**List Of Experiments:**

1**.** Evaluating the AC/DC signal parameters using function generator and CRO.

2. Summer and Subtractor using Operational Amplifier 741.

**Target Audience:**

I year(Experiment 1) and II year(Experiment 2) Engineering Students of ECE, EEE, Marine Engineering, Automobile Engineering, Mechanical Engineering, Instrumentation Engineering

**Course Alignment:**

The Course Alignment for Evaluating the AC/DC signal parameters and Summer and Subtractor using Operational Amplifier 741 experiment is mainly for –

* **Anna University (CBCS) R 2017**

GE8261 Engineering Practices Lab-B. E ECE

* **Sri Venkateshwara College of Engineering (Autonomous) R2018**

GE18161 Engineering Practices Laboratory

EE18561 Basic Electrical Electronics and Microcontroller Engineering Lab-B.E Marine Engg

* **SRM University**

EC1002 Electronics Engineering Practices- B.E ECE

EC1015 Linear Integrated Circuits Lab- B.E ECE

* **B.S. Abdur Rahman Crescent Institute of Science and Technology R2017**

ECC2207 Linear Integrated Circuits Lab- B.E ECE