

IC APPLICATIONS LAB

This laboratory is well equipped with equipment and instruments required to give hands-on training to students with fundamental concepts of Integrated Circuit applications.

This laboratory is intended to make students understand the use of different linear and digital IC. This laboratory consists of linear IC trainer kits, digital IC trainer kits etc. In this laboratory, the student will become familiar with various linear ICs such as $\mu A741$ and SE/NE 555. They will understand the applications of the $\mu A741$ operations amplifier like an adder, subtractor and comparator, etc. And also the various applications of SE/NE 555 like Monostable operations and Schmitt trigger. In addition to the above, they will become familiar with various voltage regulators and sample and hold circuit.

This laboratory can be used to gain the practical hands-on experience on 741 Op-Amp applications, obtain the practical hands-on experience on 555 timer applications, gain the practical hands-on experience on 723 Voltage Regulator, to construct and verify the combinational designs using digital ICs, construct and verify the sequential designs using digital ICs.



Figure 6.4 - IC Applications Lab