

- **LABORATORY NAME: DIGITAL INTEGRATED CIRCUIT LAB ( 129 )**
- **DISCRIPTION OF LAB :- This Lab is utilized for Linear Integrated Circuit Subject(Sem III) for performing Experiment with the help of Hardware such as Breadboard, CRO, Function Generator, etc of Electronics Dept ,also it is used for performing Experiment of Digital Syatem Design(Sem III) of Electronics and Telecommunication Dept . It is used to perform Experiment of Industrial Electronics Subject (Sem IV) of Mechatronics Dept.**
- **AVAILABLE RESOURCE HARD WARE**
- **CRO ( 20 Mhz,30 Mhz,60Mhz)**
- **FUNCTION GENERATOR**
- **Various types of POWER SUPPLY**
- **DIGITAL IC TESTER**
- **Digital breadboard trainer kit with Power Supply**
- **Project Bread board kit**
- **DIGITAL MULTIMETER**
- **CPLD Trainer Kit CPLD, FPGA TRAINER KIT WITH 7 SEGMENT DISPLAY, LEDS, XILINX 9572, CPLD SOFTWARE &TK95XX (CD.NO.533, 534)**
- **VHDL Programming kits**
- **MOSFET as a Switch trainer kit ( 2060)**
- **Chara.of SCR trainer (6512)**
- **OP AMP as Differentiator & Integrator trainer,( 9005)**
- **555 Timer as Astable multivibrator Trainer (9051)**
- **Phase controller using DIAC & TRIAC Trainer (2018)**
- **(1509) Regulator Power supply using Three Terminal 78XX.79XX)**
- **555 Timer and Application Trainer (9042)**
- **Test Bench Consister WS8 of D37200A,D37200A MSG20MDMM 5041,LQ63-HSN no90.31.80.00 Sr.:- HOO3WS80919002**
- **Regulator Power supply using Three Terminal (**
- **SOFTWARE- NIL**

- **Any Other- NIL**

- **Attach Separate Photo of Laboratory**



Department of Electronics Engineering  
Program Educational Objectives (PEOs) of  
Undergraduate Program in Electronics Engineering

Expose the Learner with a sound foundation in the mathematical, physical, and engineering fundamentals.  
Cultivate the Learner in the art of self-learning and to use modern tools, solving real life problems.  
Instill a professional and ethical attitude, great leadership qualities, commitment to social responsibilities in the learner through projects.  
Prepare the Learner for a successful career in Indian and multinational companies.

Program Specific Outcomes (PSOs) of  
Undergraduate Program in Electronics Engineering

A student will be able to design simple analog and digital circuits & systems for given specification and function.  
A student will be able to design and implement VLSI circuits and hardware systems for applications with real time constraints.  
Expose the student to develop C++ based system to contribute the society at large.